

STIC-Biotech/ChemLib

119267

From: Whiteman, Brian  
Sent: Monday, April 12, 2004 3:35 PM  
To: STIC-Biotech/ChemLib  
Subject: seq search

09/927,091 Killary et al.  
8/9/01

search SEQ ID NO: 1 against us patent and us patent application databases

search SEQ ID NO: 3 against us patent and us patent application databases

Thank you,

Brian Whiteman  
Remsen, 2D14  
mail box 2C18  
Patent Examiner - Art Unit 1645  
United States Patent and Trademark Office  
(571) 272-0764

RECEIVED  
APR 12 2004  
STIC/STIC

Searcher: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Location: \_\_\_\_\_  
Date Picked Up: \_\_\_\_\_  
Date Completed: 4/14  
Searcher Prep/Review: \_\_\_\_\_  
Clerical: \_\_\_\_\_  
Online time: \_\_\_\_\_

TYPE OF SEARCH:

NA Sequences: \_\_\_\_\_  
AA Sequences: \_\_\_\_\_  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

VENDOR/COST (where applic.)

STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: \_\_\_\_\_  
Sequence Sys.: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 13, 2004, 09:59:27 ; Search time 286 Seconds  
(without alignments)  
7423.923 Million cell updates/sec

Title: US-09-927-091-3

Perfect score: 3826

Sequence: 1 aggtcgctggaccgaagc.....aaaaaaaaaaaaaaaaaaaaa 3826

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.\*

1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq.\*  
2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq.\*  
3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq.\*  
4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq.\*  
5: /cgn2\_6/ptodata/2/ina/PCTUS\_COMB.seq.\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	106	2.8	3416	2	US-08-724-394A-15
2	95.8	2.5	1782	4	US-09-220-132-158
3	94	2.5	7218	1	US-08-232-463-14
4	86.4	2.3	2826	2	US-08-724-394A-13
5	86.4	2.3	2370	4	US-09-566-921-105
6	82.8	2.2	3502	2	US-08-724-394A-16
7	81.6	2.1	53526	3	US-08-658-136-2
8	81.6	2.1	152331	3	US-09-128-155-16
9	80.4	2.1	1926	4	US-09-249-585A-4
10	76.2	2.0	1926	4	US-09-130-114-2
11	76.2	2.0	1931	2	US-09-130-114-2
12	75	2.0	4897	6	5196516-7
13	74.6	1.9	3470	4	US-09-486-147-2
14	74.4	1.9	320	3	US-09-165-264-7
15	74.2	1.9	16891	4	US-09-486-147-1
16	74	1.9	543	4	US-09-486-147-4
17	73	1.9	320	3	US-09-165-264-13
18	73	1.9	2882	2	US-08-724-394A-12
19	72.8	1.9	320	3	US-09-165-264-11
20	72.8	1.9	12001	1	US-08-458-568A-11
21	71.8	1.9	320	3	US-09-165-264-14
22	70.2	1.8	319	3	US-09-165-264-8
23	70	1.8	318	4	US-09-165-264-12
24	69.6	1.8	712	4	US-09-401-064-354
25	63.6	1.7	77536	4	US-09-410-551B-1
26	62.6	1.6	22561	4	US-09-616-289-4B
27	60.4	1.6	44377	2	US-08-804-227C-7

28 60.4 1.6 44377 2 US-08-804-198-1 Sequence 1, Appl  
29 3227 4 US-09-620-312D-103 Sequence 103, App  
30 59.4 1.6 697 3 US-09-040-984-17 Sequence 17, Appl  
31 59.4 1.6 697 4 US-09-123-912-17 Sequence 17, Appl  
32 59.4 1.6 697 4 US-09-643-597-17 Sequence 17, Appl  
33 59.4 1.6 697 4 US-09-480-884A-17 Sequence 17, Appl  
34 59.4 1.6 697 4 US-09-542-615A-17 Sequence 17, Appl  
35 59.4 1.6 697 4 US-09-606-421B-17 Sequence 17, Appl  
36 59.4 1.6 697 4 US-09-221-107-17 Sequence 17, Appl  
37 58.6 1.5 1926 4 US-09-249-585A-2 Sequence 2, Appl  
38 58.6 1.5 1926 4 US-09-410-399-3 Sequence 2, Appl  
39 58.6 1.5 2580 3 US-09-050-863-2 Sequence 2, Appl  
40 58.6 1.5 2580 4 US-09-359-081-2 Sequence 2, Appl  
41 58.6 1.5 5452 2 US-09-130-114-1 Sequence 1, Appl  
42 58.6 1.5 8705 4 US-09-647-344A-14 Sequence 14, Appl  
43 58.6 1.5 9600 3 US-08-910-647-1 Sequence 1, Appl  
44 58.6 1.5 9600 4 US-09-620-925-1 Sequence 1, Appl  
45 58.6 1.5 10596 1 US-07-884-811-15 Sequence 15, Appl

#### ALIGNMENTS

RESULT 1  
US-08-724-394A-15  
; Sequence 15, Application US/08724394A  
; Patent No. 5872237  
; GENERAL INFORMATION:  
; APPLICANT: Feder, John N.  
; APPLICANT: Kronmal, Gregory S.  
; APPLICANT: Lauer, Peter M.  
; APPLICANT: Ruddy, David A.  
; APPLICANT: Thomas, Winston  
; APPLICANT: Tsuchihashi, Zenta  
; APPLICANT: Wolff, Roger K.  
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237a1  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94111-3934  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/724,394A  
; FILING DATE: 01-OCT-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fitts, Renee A.  
; REGISTRATION NUMBER: 35,136  
; REFERENCE/DOCKET NUMBER: 017957-000100  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-576-0200  
; TELEFAX: 415-576-0300  
; INFORMATION FOR SEQ ID NO: 15:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3416 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: cDNA  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: 1..3416  
; OTHER INFORMATION: /note= "cDNA 44"  
US-08-724-394A-15

Query Match	2.8%;	Score 106;	DB 2;	Length 3416;
Best Local Similarity	53.8%;	Pred. No. 7e-14;		
Matches	242;	Conservative	0;	Mismatches 205; Indels 3; Gaps 1;
1482	GCAGCGCGCCCTAACCCCTGGACCCGGGCGCACAGCCACCAGCGCGCTGATCCTGTGCGACGA	1541		
1373	GCCTCGGATGATGATCTGGATCCAAACACAGCAACCCCATCTCTCTGTTCTGAGGA	1432		
1542	CTGCAACCATGTGGCTTACGGCAACTTGCACCCACAGCCACTGACAGACTCGGCCAAAGG	1501		
1433	CCAGAGGAGTGTGCACGCTGCCAA---GGAGCCCCAGGATCTCCAGACACACCTCGAG	1489		
1602	CTTCGATGTGGAGGTGTGGGTGCTGGGTCTGAAGCCTTCAGTAGTGGGTCACACTACTG	1661		
1490	ATTTAATTG3CATATTATGTGTTCTCGGCTGTGAGAGCTTCATATCAGGAGACATTACTG	1549		
1662	GGAGGTGTGTGTGGCGGAGAGACCCAGTGGGTGATCGGGCTGGCACAGAACCCGGAAG	1721		
1550	GGAGGTGTGAGGTAGGGGACAGGAAGAGTGGCATATAGGGGTGTGCAGTAAGAATGTGA	1509		
1722	CGCAAGGGCAGCATCCAGATCCAGCCGACCGCGGCTTCTACTGCATCGTGTGACACGA	1781		
1610	GAGAAAGCTGGTCCAAATGACACTGAGATGATTTCTGGACTATGGGCTGACTGA	1669		
1782	TGCAACACAGTACAGCGCCTGCACGGAGCCCTGGACGGCGCTTAAAGTCGGGACAAAGT	1841		
1670	TGGGATAAGTATCGGACTCTACTGAGGCCAGAACCAACCTGAAACTTCTTAAGCCCC	1729		
1842	TGCAAGGTGGGTGTCTTCTTGGACTATACCAAGGCTTGTCTCATCTTCTACAATGCTGA	1901		
1730	TAAAGAGTGGGGTCTTCTTGGACTATGAGCTGAGATATCTCATTTCTACATGCTGT	1789		
1902	TGCATGTCTCGCTCTACACCTTCCGCA	1931		
1790	GGATGGATCCGATATTCATCTTCTCTGA	1819		

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RESULT 2
US-09-220-132-158
; Sequence 158, Application US/09220132
; Patent No. 6506607
; GENERAL INFORMATION:
; APPLICANT: ShyTjan, Andrew W.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT
; TITLE OF INVENTION: OF PROSTATE CANCER THERAPIES AND THE DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 07334-074001
; CURRENT APPLICATION NUMBER: US/09/220,132
; CURRENT FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/079,303
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: US 60/068,821
; PRIOR FILING DATE: 1997-12-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 158
; LENGTH: 1782
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-220-132-158

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	Query Match	52.5%;	Score 95.8;	DB 4;	Length 1782;
	Best Local Similarity	2.6%;	Pred. No. 9.8e-12;		
	Matches 233;	Conservative	0;	Mismatches 207;	Indels 3; Gaps 1;
QY	1484	CAGCGCCCTAACCTTGGACCCGGGGACAGCCCAACAGCGCCTGATCTCTGTGGAGGACT	1543		
DB	1178	CAGTGGACGTGACTCTGGACCCAGACAGCGCCTAACCCAGCCTGATCTCTCTGTGAATC	1237		
QY	1544	GCACCATTTGTGCTTACGGCACTTTCACCCACAGCCACTGCAGGACTGCCAAAGCGCT	1603		
DB	1238	TCGCGCAAGTGGGGTACAGTTAC---CTCCAAACAGACCTGGCTGACAAACCCGAGAGGT	1294		

QY	1604	TCGATGTGGAGGTGTCGGTCTCGTGGTTCCTGAAGCCTTCAGTAGTGGCGTCCACTACTCTGGG	1663
Db	1295	TCAATCTGTTTCCTCTGTGCTTGGGCTCTCCATGTTTCATCGCCGGGAGACATTATTGGG	1354
QY	1664	AGGTGGTGGTGGCGGAGAACCCAGTGGGTGATCGGGCTGGCACA CGAAGCCGCAAGCC	1723
Db	1355	AGGTAGAGGTGGGAGATAAAGCCAACTGGACCATTAGGTGTCGTGCAAGACTCAGTGTGCA	1414
QY	1724	GCAGGGCAGATCCAGATCCAGCCAGCCGGCGGTTCTACTGATCGTGAATGCACGATG	1783
Db	1415	GAAAGGTGGAGTAACTCAGCCCCCGAATGGAACTCTGGCAGTGTCTTTTGGGTATG	1474
QY	1784	GCAACCACTAGTCAGCGCTGTCAGCGAGCCCTGACGCGCTTAAAGTCCGGGACAAAGCTTG	1843
Db	1475	GGAAAGAATAATTGGGCTCTTACCTCCCAATGACTGCCCTACCCCTGCGGACCCCGCTCC	1534
QY	1844	ACAAGGTGGGTGTTCTCTTGGACTATGACCAAGGTTGCTCATCTTCTACAACTGCTGATG	1903
Db	1535	AGCGGGTGGGGAATTTCTTTGGACTATGATGCTGGTGGAGGCTCTCCTTTTACAACTGACAG	1594
QY	1904	ACATGTCTCTGGCTCTACACCTTC	1926
Db	1595	AGAGGTGTCAACCTTCACCTTC	1617

RESULT 3  
US-08-232-463-14  
; Sequence 14, Application US/08232463  
; Patent No. 5670367  
; GENERAL INFORMATION:  
; APPLICANT: DORNER, F.  
; APPLICANT: SCHEIFLINGER, F.  
; APPLICANT: FALKNER, F. G.  
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
; NUMBER OF SEQUENCES: 52  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Lardner  
; STREET: 1800 Diagonal Road, Suite 500  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22313-0299  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/232,463  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/935,313  
; FILING DATE:  
; APPLICATION NUMBER: EP 91 114 300.6  
; FILING DATE: 26-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BENT, Stephen A.  
; REGISTRATION NUMBER: 29,768  
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703)836-9300  
; TELEFAX: (703)683-4109  
; TELEX: 899149  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7218 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; CLONE: pTZ3pt-E1s  
US-08-232-463-14

Query Match	2.5%	Score 94;	DB 1;	Length 7218;	
Best Local Similarity	2.6%	Pred. No.3.9e-11;			
Matches	10;	Conservative 257;	Mismatches 117;	Indels 0;	Gaps 0;
213	GGGATTTTCGAGCCCTTAAAGGGCTTCACACCCGCTCGGGATCCCGTCTCCAGCTCCTA	272			
1056	GAGCTTCGATYY	1115			
273	TCCCTTAGGACTGCCCGGCCCTAGAACCTCCCGCTCAGGATCTCGTCCGTCCGAGCGC	332			
1116	YYY	1175			
333	TCACAGCGCTCTCCAGCGCCCATCGCTTGAGCTGCCACTACCTCTAGACTGCCCTCC	392			
1176	YYY	1235			
393	CGGCTCGGCTCCACGGAGTCTCAGCCGCGCACCCCTTCCTCGCTTACCTCTCCG	452			
1236	YYY	1295			
453	GACAGCACCCCTCCCTTCTCGGTAGCTCTACCCCTGCTGTGCGGCGCTGTGCTCCCG	512			
1296	YYY	1355			
513	CGCCACGCTCGGTGTGCTCCGACGCGCGGTCTCTCAGCGCGCCCTCGCC	572			
1356	YYY	1415			
573	TCGGGCCCTCTCTGCTGCC	596			
1416	YYYYYYYYYYYYYYYYYYYYYGTACC	1439			

RESULT 4  
US-05-724-394A-13  
: Sequence 13, Application US/08724394A  
: Patent No. 587237  
: GENERAL INFORMATION:  
: APPLICANT: Feder, John N.  
: APPLICANT: Kronmal, Gregory S.  
: APPLICANT: Laufer, Peter M.  
: APPLICANT: Ruddy, David A.  
: APPLICANT: Thomas, Winston  
: APPLICANT: Tsuchinashi, Zenta  
: APPLICANT: Wolff, Roger K.  
: TITLE OF INVENTION: Megabase Transcript Map: No. 587237e1  
: TITLE OF INVENTION: Sequences and Antibodies Thereto  
: NUMBER OF SEQUENCES: 31  
: CORRESPONDENCE ADDRESS:  
: ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP  
: STREET: Two Embarcadero Center, 8th Floor  
: City: San Francisco  
: STATE: CA  
: COUNTRY: USA  
: ZIP: 94111-3834  
: COMPUTER READABLE FORM:  
: MEDIUM TYPE: Floppy disk  
: COMPUTER: IBM PC compatible  
: OPERATING SYSTEM: PC-DOS/MS-DOS  
: SOFTWARE: Patentin Release #1.0, Version #1.30  
: CURRENT APPLICATION NUMBER: US/08/724,394A  
: APPLICATION NUMBER: US/08/724,394A  
: FILING DATE: 01-OCT-1996  
: CLASSIFICATION: 536  
: ATTORNEY/AGENT INFORMATION:  
: NAME: Fitts, Renee A.  
: REGISTRATION NUMBER: 35,136  
: REFERENCE/DOCKET NUMBER: 017957-000100  
: TELECOMMUNICATION INFORMATION:  
: TELEPHONE: 415-576-0200  
: TELEFAX: 415-576-0300  
: INFORMATION FOR SEQ ID NO: 13:

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;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2926 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..2926
; OTHER INFORMATION: /note= "cDNA 29"
;
US-08-724-394A-13

Query Match 2.3%; Score 86.4; DB 2; Length 2926;
Best Local Similarity 52.7%; Pred. No. 1.3e-09;
Matches 236; Conservative 0; Mismatches 206; Indels 6; Gaps 2;

QY 1483 CCAGCGCGCCCTAACCCCTGGACCGGGCAGACGCCACACGCCAGCGCCTCATCTGTCTGGACGAC 1542
DB 1186 CTTGCGGGATGTGATTCTTGATCCACACACGGCAACGCCATCCTCCTTGTTTCTGAGGAC 1245
QY 1543 TGCACCCNTTGGCTTACGGCAACTTGCACCCACAGCCACTGCAGGACTCGCCAAAGCGC 1602
DB 1246 CAGAGGAGTGTG--CAGCGTCTGAAGAGCGCGGGATCTGCCACAGCAACCCCTGAGAGA 1302
QY 1603 TTTCGATGTGGAGGTGTCGTGCTGGTCTGAAGCCTTCAGTAGTGGCGTCCACTACTGG 1662
DB 1303 TTGTAATGCGTACTGTGTCTTGCTGTGAAACTTCAATCAGGAGAGCATTTACTGG 1362
QY 1663 GAGGTGGTGGTGGCGGAGAAGACCCAGTGGGTGATCGGGCTGGCAC---ACGAAGCCGCA 1719
DB 1363 GAGGTGGAAGTGGGGGACAGAAAGATGGCATATTGGGGTATGTAGTAAGAACCTGGAG 1422
QY 1720 AGCCGCAAGGCGAGCATCCAGATCCAGCCAGCCGCGCGCTTCTACTGCATCGTGATGCAC 1779
DB 1423 AGGAAAAAGGTGGGTCAAAATGACACCGGAGAACGGATCTGGACTATGGGCTGACT 1482
QY 1780 GATGCAACCAAGTACAGCGCCTGACGGAGCGCCTGGAGCGCGCTTAACTCGGGACAAG 1839
DB 1483 GATGGGAATAAGTATCGGGCTCTCACTGAGCCACAGAACCAACCTGAAACTTCTGAGCCT 1542
QY 1840 CTTGCAAGGTGGGTGTCCTCTGAGCTATGACCAAGCCTTCTCATCTTACAAATGCT 1899
DB 1543 CCTAGGAAGTGGGATCTTCTGGACTATGAGACTGGAGAGATCTCGTTCTATANTGCC 1602
QY 1900 GATGACATGTCCTGGCTCTACACCTTCC 1927
DB 1603 ACAGATGATCTCATATCTACACCTTTC 1630

RESULT 5
US-09-566-921-105
; Sequence 105, Application US/09566921
; Patent No. 6682888
; GENERAL INFORMATION:
; APPLICANT: Loxing, Jeanne F.
; APPLICANT: Tingley, Debora W.
; APPLICANT: Edwards, Carla M.
; FILE OF INVENTION: GENES EXPRESSED IN ALZHEIMER'S DISEASE
; TITLE REFERENCE: PA-0024 US
; CURRENT APPLICATION NUMBER: US/09/566,921
; CURRENT FILING DATE: 2000-05-05
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PERL Program
; SEQ ID NO 105
; LENGTH: 2970
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6682888 902288.16
; NAME/KEY: unsure
; LOCATION: 2113-2202
; OTHER INFORMATION: a.t, c, g, or other

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US-09-566-921-105

Query Match 2.3%; Score 86.4; DB 4; Length 2970;  
Best Local Similarity 52.7%; Pred. No. 1.3e-09;  
Matches 236; Conservative 0; Mismatches 206; Indels 6; Gaps 2;

QY 1483 CCAGCCGCTTAACCTTGGACCGGGGACAGCCACAGCCGCTGATCTCTGCGAGCAG 1542  
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QY 1543 TGCACCATTTGGCTTACGGCAACTTGCACCCACAGCCACTGCAGGACTCGCAAGCGC 1602  
DB 1280 CAGAGGAGTGTG---CAGCGTGTGAAAGAGCCGCGGATCTGCAGACAAACCTGAGAGA 1336  
QY 1603 TTCCGATGAGAGGTGCTGGCTGGCTTCTGAAGCCCTTCACTAGTGGCTCCACTACTGG 1662  
DB 1337 TTTGAATGGCGTACTGTCTGCTTGGCTGTGAATACTTCACTACAGGAGACATTACTGG 1396  
QY 1663 GAGTGTGTGGCGGAGAGACCCAGTGGGTGATCGGCTGGCAC---ACGAAGCCGCA 1719  
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QY 1720 AGCCGCAAGGACAGATCCAGATCCAGCCAGCCGCGGCTTCTACTGCACTGATGAC 1779  
DB 1457 AGGAAAGAGTGGTCAAAATGACACCCGAGAACGGATCTGGACTATGGGCTGACT 1516  
QY 1780 GATGGCAACAGTACAGCGCTCGACGGAGCCCTGACGCGGCTTAACCTCCGGGACAG 1839  
DB 1517 GATGGGAATAAGTATCGGGCTCTCACTGAGCCGAGAACCAACTGAAACTTCTGAGCT 1576  
QY 1840 CTTGACAGGTGGGTGTCTTCTGGACTATGACCAAGGCTTGTCTATCTTCTACATGCT 1899  
DB 1577 CTTAGGAAGTGGGATCTTCTGGACTATGAGACTGGAGAGATCTCGTTCTATATGCC 1636  
QY 1900 GATGACATGCTGGGCTCTACACTTCC 1927  
DB 1637 ACAGATGATCTCATATCTACACCTTTC 1664

## RESULT 6

US-08-724-394A-16  
; Sequence 16, Application US/08724394A  
; Patent No. 5872237  
; GENERAL INFORMATION:  
; APPLICANT: Feder, John N.  
; APPLICANT: Kronmal, Gregory S.  
; APPLICANT: Lauer, Peter M.  
; APPLICANT: Ruddy, David A.  
; APPLICANT: Thomas, Winston  
; APPLICANT: Tsuchihashi, Zenta  
; APPLICANT: Wolff, Roger K.  
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237e1  
; TITLE OF INVENTION: Sequences and Antibodies Thereto  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: TOWNSEND AND TOWNSEND AND CREW LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatenIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/724,394A  
; FILING DATE: 01-OCT-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fitts, Renee A.  
; REGISTRATION NUMBER: 35,136

REFERENCE/DOCKET NUMBER: 017957-000100  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-576-0200  
; TELEFAX: 415-576-0300  
; INFORMATION FOR SEQ ID NO: 16:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3502 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: cDNA  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: 1..3502  
; OTHER INFORMATION: /note="cDNA 32"  
US-08-724-394A-16

Query Match 2.2%; Score 82.8; DB 2; Length 3502;  
Best Local Similarity 52.2%; Pred. No. 8.8e-09;  
Matches 233; Conservative 0; Mismatches 207; Indels 6; Gaps 2;

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QY 1844 ACAAGTGGGTGTCTTCTGGACTATGACCAAGGCTTGTCTATCTTCTACATGCTGATG 1903  
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QY 1904 ACATGCTCGGCTTACACCTTCCGC 1929  
DB 1477 ACAGATCACACATCTACACATGTCCC 1502

## RESULT 7

US-08-658-136-2  
; Sequence 2, Application US/08658136  
; Patent No. 6071717  
; GENERAL INFORMATION:  
; APPLICANT: KLINGER, KATHERINE W  
; APPLICANT: LANDES, GREGORY M  
; APPLICANT: BURN, TIMOTHY C  
; APPLICANT: CONNORS, TIMOTHY D  
; APPLICANT: DACKOWSKI, WILLIAM  
; APPLICANT: GEEMINO, GREGORY  
; APPLICANT: QIAN, FENG  
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE  
; NUMBER OF SEQUENCES: 58  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: GENZYME CORPORATION  
; STREET: ONE MOUNTAIN ROAD  
; CITY: FRAMINGHAM  
; STATE: MASSACHUSETTS









Patent No. 6627745  
GENERAL INFORMATION:  
APPLICANT: The Government of the United States of America, as  
APPLICANT: represented by the Secretary, Department of Health and Human  
APPLICANT: Services  
APPLICANT: Daniel L. Kastner  
APPLICANT: Ivona Aksentijevich  
APPLICANT: Michael Centola  
APPLICANT: Zuoming Deng  
APPLICANT: Raman Sood  
APPLICANT: Francis S. Collins  
APPLICANT: Trevor Blake  
APPLICANT: P. Paul Liu  
APPLICANT: Deborah Gumucio  
APPLICANT: Robert I. Richards  
APPLICANT: Darrell O. Riche  
APPLICANT: No. 6627745man A. Doggett  
APPLICANT: Morechai Pras  
TITLE OF INVENTION: IDENTIFICATION OF THE GENE CAUSING  
TITLE OF INVENTION: FAMILIAL MEDITERRANEAN FEVER  
FILE REFERENCE: 14014.0314U1  
CURRENT APPLICATION NUMBER: US/09/486,147  
CURRENT FILING DATE: 2000-08-07  
PRIOR APPLICATION NUMBER: PCT/US98/17255  
PRIOR FILING DATE: 1998-08-20  
PRIOR APPLICATION NUMBER: 60/056,217  
PRIOR FILING DATE: 1997-08-21  
NUMBER OF SEQ ID NOS: 45  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 2  
LENGTH: 3470  
TYPE: DNA  
ORGANISM: homo sapiens  
FEATURE:  
US-09-486-147-2  
Query Match 1.9%; Score 74.6; DB 4; Length 3470;  
Best Local Similarity 50.1%; Pred. No. 5.5e-07;  
Matches 241; Conservative 0; Mismatches 234; Indels 6; Gaps 2;  
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Db 2276 G 2276  
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US-09-165-264-7/c  
Sequence 7, Application US/09165264  
Patent No. 6197510  
GENERAL INFORMATION:  
APPLICANT: Vinayagamoorthy, Thuraiayah  
TITLE OF INVENTION: Multi-Loci Genomic Analysis  
FILE REFERENCE: 44747  
CURRENT APPLICATION NUMBER: US/09/165,264  
CURRENT FILING DATE: 1998-10-01  
NUMBER OF SEQ ID NOS: 14  
SOFTWARE: Patent in Ver. 2.1  
SEQ ID NO 7  
LENGTH: 320  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:Primer sequence  
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Query Match 1.9%; Score 74.4; DB 3; Length 320;  
Best Local Similarity 52.2%; Pred. No. 2.7e-07;  
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DB 196 CC 137  
QY 316 CTCGCTCCCTCAGCGGCTCAGAGCTCTCTCCAGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 375  
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; APPLICANT: Moraechai Pras
; TITLE OF INVENTION: IDENTIFICATION OF THE GENE CAUSING
; TITLE OF INVENTION: FAMILIAL MEDITERRANEAN FEVER
; FILE REFERENCE: 14014.0314U1
; CURRENT APPLICATION NUMBER: US/09/486,147
; CURRENT FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: PCT/US98/17255
; PRIOR FILING DATE: 1998-08-20
; PRIOR APPLICATION NUMBER: 60/056,217
; PRIOR FILING DATE: 1997-08-21
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 16891
; TYPE: DNA
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: n = a, t, c, or g
US-09-486-147-1

Query Match      1.9%; Score 74.2; DB 4; Length 16891;
Best Local Similarity 49.9%; Pred. No. 1.1e-06;
Matches 240; Conservative 1; Mismatches 234; Indels 6; Gaps 2;

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Db 14380 G 14380
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Job time : 290 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

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2657.352 Million cell updates/sec

Title: US-09-927-091-1

Perfect score: 2504

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Searched: 1073127 seqs, 262937947 residues

Total number of hits satisfying chosen parameters: 1073127

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications AA:\*

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- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pdb.p\*
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- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pdb.p\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	2504	100.0	475	9	US-09-927-091-1
2	1312	52.4	304	9	US-09-927-091-2
3	613	24.5	500	9	US-09-731-872-466
4	613	24.5	500	10	US-09-876-997-466
5	583	23.3	580	9	US-09-925-301-943
6	550.5	22.0	485	14	US-10-276-372-2
7	541.5	21.6	485	15	US-10-094-749-2615
8	501	20.0	471	15	US-10-104-047-3482
9	500	20.0	468	15	US-10-104-047-3664
10	499.5	19.9	4675	15	US-10-093-463-74
11	492	19.6	465	14	US-10-024-298A-97
12	492	19.6	465	14	US-10-024-211A-97
13	489	19.5	465	14	US-10-024-298A-99
14	489	19.5	465	14	US-10-042-211A-99
15	475.5	19.0	4691	15	US-10-093-463-72

16	427.5	17.1	395	15	US-10-108-260A-4617	Sequence 4617, Ap
17	418	16.7	475	12	US-10-042-865-65	Sequence 65, Appl
18	418	16.7	475	14	US-10-000-837-78	Sequence 78, Appl
19	418	16.7	475	15	US-10-094-749-2393	Sequence 2393, Ap
20	414.5	16.6	488	12	US-10-221-625-82	Sequence 82, Appl
21	411	16.4	483	12	US-10-114-270-106	Sequence 106, Appl
22	409	16.3	579	12	US-10-042-865-6	Sequence 6, Appl
23	408	16.3	592	12	US-10-042-865-64	Sequence 3289, Ap
24	407.5	16.3	474	15	US-10-104-047-3289	Sequence 64, Appl
25	393	15.7	498	14	US-10-247-671-167	Sequence 167, App
26	388.5	15.5	194	9	US-09-764-868-1031	Sequence 1031, Ap
27	368.5	14.7	277	15	US-10-094-749-3098	Sequence 3098, Ap
28	364.5	14.6	413	14	US-10-319-763-198	Sequence 198, App
29	343.5	13.7	183	9	US-09-864-761-36547	Sequence 36547, A
30	340.5	13.6	438	15	US-10-262-445-34	Sequence 34, Appl
31	339	13.5	584	9	US-09-910-174A-16	Sequence 12, Appl
32	339	13.5	584	9	US-09-955-866-12	Sequence 16, Appl
33	339	13.5	584	9	US-09-896-738-18	Sequence 18, Appl
34	339	13.5	584	14	US-10-041-319-17	Sequence 17, Appl
35	334.5	13.4	333	15	US-10-104-047-2073	Sequence 2073, Ap
36	329	13.1	513	9	US-09-910-174A-18	Sequence 18, Appl
37	328	13.1	262	10	US-09-986-480-172	Sequence 172, App
38	328	13.1	262	14	US-10-205-823-105	Sequence 105, App
39	328	13.1	262	14	US-10-276-372-4	Sequence 4, Appl
40	328	13.1	262	14	US-10-276-372-8	Sequence 8, Appl
41	316.5	12.6	372	14	US-10-087-887-54	Sequence 54, Appl
42	316.5	12.6	527	9	US-09-910-174A-10	Sequence 10, Appl
43	316.5	12.6	527	12	US-10-029-020-81	Sequence 81, Appl
44	316.5	12.6	527	14	US-10-156-424A-10	Sequence 10, Appl
45	316.5	12.6	527	14	US-10-041-319-16	Sequence 16, Appl

ALIGNMENTS

RESULT 1

US-09-927-091-1  
; Sequence 1, Application US/09927091  
; Patent No. US20020119541A1  
; GENERAL INFORMATION:  
; APPLICANT: KILLARY, ANN  
; APPLICANT: LOTT, STEVE  
; APPLICANT: CHANDLER, DAWN  
; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1  
; FILE REFERENCE: UTSC:651US  
; CURRENT APPLICATION NUMBER: US/09/927,091  
; CURRENT FILING DATE: 2001-08-09  
; PRIOR APPLICATION NUMBER: 60/227,560  
; PRIOR FILING DATE: 2000-08-23  
; PRIOR APPLICATION NUMBER: 60/225,033  
; PRIOR FILING DATE: 2000-08-10  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: Patent In Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 475  
; TYPE: PRT  
; ORGANISM: Human  
US-09-927-091-1

Query Match	100.0%	Score	2504	DB	9	Length	475
Best Local Similarity	100.0%	Pred. No.	8.8e-202				
Matches	475	Conservative	0	Mismatches	0	Indels	0
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QY 361 TQWVIGLAHEAASRKSQIQPSRGFYCIVMHDGNQYSACTEPTWRLNVRDKLQVGVFL 420  
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QY 421 DYDQGLLIFYNADMSWLTTFREKFPKGLCSYFSPGQSHANGKXVQPLRINTVRI 475  
Db 421 DYDQGLLIFYNADMSWLTTFREKFPKGLCSYFSPGQSHANGKXVQPLRINTVRI 475

## RESULT 2

US-09-927-091-2

; Sequence 2, Application US/09927091

; Patent No. US20020119541A1

; GENERAL INFORMATION:

; APPLICANT: KILLARY, ANN

; APPLICANT: LOTT, STEVE

; APPLICANT: CHANDLER, DAWN

; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1

; FILE REFERENCE: UTSC:651US

; CURRENT APPLICATION NUMBER: US/09/927,091

; CURRENT FILING DATE: 2001-08-09

; PRIOR APPLICATION NUMBER: 60/227,560

; PRIOR FILING DATE: 2000-08-23

; PRIOR APPLICATION NUMBER: 60/225,033

; PRIOR FILING DATE: 2000-08-10

; NUMBER OF SEQ ID NOS: 9

; SOFTWARE: Patent in Ver. 2.1

; SEQ ID NO 2

; LENGTH: 304

; TYPE: PRT

; ORGANISM: Human

US-09-927-091-2

Query Match 52.4%; Score 1312; DB 9; Length 304;  
Best Local Similarity 91.8%; Pred. No. 7.4e-102;  
Matches 257; Conservative 2; Mismatches 5; Indels 16; Gaps 1;

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## RESULT 3

US-09-731-872-466  
; Sequence 466, Application US/09731872  
; Patent No. US20020102604A1  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, Jean Baptiste  
; APPLICANT: Bougueleret, Lydie  
; APPLICANT: Jobert, Severin  
; TITLE OF INVENTION: FULL-LENGTH HUMAN CDNAS ENCODING POTENTIALLY SECRETED PROTEINS  
; FILE REFERENCE: 78 US3 REG  
; CURRENT APPLICATION NUMBER: US/09/731,872  
; CURRENT FILING DATE: 2000-12-07  
; PRIOR APPLICATION NUMBER: US 60/169,629  
; PRIOR FILING DATE: 1999-12-08  
; PRIOR APPLICATION NUMBER: US 60/187,470  
; PRIOR FILING DATE: 2000-03-06  
; NUMBER OF SEQ ID NOS: 482  
; SOFTWARE: Patent.pm  
; SEQ ID NO 466  
; LENGTH: 500  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-731-872-466

Query Match 24.5%; Score 613; DB 9; Length 500;  
Best Local Similarity 31.6%; Pred. No. 8.7e-43;  
Matches 148; Conservative 83; Mismatches 222; Indels 16; Gaps 8;

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QY 68 LANIVERYSSPFLDAIINARRAAPQOAH--DKVKLFCLTDRALLCFDCDEPALH--EQHQ 124  
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QY 185 LHRLLRRQKAMLEBEADTARTLTDEQKVQYQSQOLKRVQSGAQLQERLAETDRHTF 244  
Db 210 LHQFLHSKEDILTELREBEGKALNEEMNLSQLQEQCLLAKDLMSIQAKTEQONSDF 269  
QY 245 LAGVASLSERLKG--KIHET--NLTYEDFPTSKYTGLOTTKSLFODTHPVPAALTLD 301  
Db 270 LKDTITLLHLEQGMKVLATRELISRKLNLGQYKGIQVWREMODTLCFGLSPILTLD 329  
QY 302 GTAHORLIISDDCTIVAYGNLHPQLQDSKPRDVEVSLGSEAFSSGVHYWVVAEK 361  
Db 330 KTAHPNLVLSKSQTSYVHGD1-KKIMPDDFERPDSSAVLGSRGFTSGKMYWEVEVAKT 388  
QY 362 QWVIGLAHEAASRKSQIQPSRGFYCIVMHDGNQYSACTEPTWRLNVRDKLQVGVFL 421  
Db 389 KWTGVVRESIRKSGCPLTPEQGFLLALRNQDTLKDLDLFSLSLTNNLDKVGIVLD 448  
QY 422 YDQGLLIFYNADMSWLTTFREKFPKGLCSYFSPGQSHANGKXVQPLRI 470  
Db 449 YEGQSLSFYNAKTMTHTYTFSTNFMKLYPFYPCPLNDGCR-ENKEFLHI 496

## RESULT 4

US-09-876-997-466

; Sequence 466, Application US/09976997

; Publication No. US20030132921A1

; GENERAL INFORMATION:

; APPLICANT: Dumas Milne Edwards, Jean Baptiste

; APPLICANT: Bougueleret, Lydie

; APPLICANT: Jobert, Severin

; TITLE OF INVENTION: FULL-LENGTH HUMAN CDNAS ENCODING POTENTIALLY SECRETED PROTEINS

; FILE REFERENCE: 78 US4 CIP

; CURRENT APPLICATION NUMBER: US/09/876,997

; CURRENT FILING DATE: 2001-06-08

; PRIOR APPLICATION NUMBER: US 09/731,872

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
NAME/KEY: SITE  
LOCATION: (73)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-925-301-943  
Query Match 23.3%; Score 583; DB 9; Length 580;  
Best Local Similarity 29.1%; Pred. No. 3.6e-40; Indels 106; Gaps 16;  
Matches 153; Conservative 89; Mismatches 178; Indels 106; Gaps 16;  
QY 5 LKDELLCSICLSIYQDPVSLGCEHYFCRCITETHWVQBAQAGARDCEPCRRRTFAEPALAP 64  
DB 77 LQOETTCVCLQYFAEPWMLDGHNICACACARCGTAEATNVS--CPQCRETFFQGHMP 134  
QY 65 SUKLANIVERYSPFLDAILNARRARP-----COAH-DKVKLFCITDRALLCFFC 114  
DB 135 NRHLANVTQ-----LVKQLRTERPSGPGMGVCEKREPLKLCIEDQMPICVVC 185  
QY 115 DEPALHEQOVGTIDDAFDELQELKQALQDQSERHEALQLKRO-----LAE 166  
DB 186 DRSREHGHVSLPEBAVEGPKQEQNL-----DLKRVKOLKRRRAQGEQARAE 237  
QY 167 TKSSTKSLRTTIGEAERLHRLRE---RQKAMLEBE-----ADTA 205  
DB 238 LLSLTQWEREKIWEPEQLYHSLKEHYRLARLEELDIAIYNSINGAITQFSCNISHLS 297  
QY 206 RLITDIEQVQRYSOQLRKVQGAQLQERLAETDR-----HTFLAGV 248  
DB 298 SLTAQEEKQOQTRREL-----LDIGTLRAERIRIPEWITPDLQEKHIFAQKC 351  
QY 249 ASLSERLKGKIHETNLTYEDFTSKYTGPLOYTIWKSFLQDIHPV---PAALTLDPGTAH 305  
DB 352 LPLTESLK-----QTEKXQSMER--IQELREAQLYSVDVTLDPDTAY 393  
QY 306 QRLILDDCTIVAGNLHPQLDPSKRFDEVSVLGSEAFSGVHYWVVAEKTQWVI 365  
DB 394 PSILSDNLRQVYSYLO--QDLPDNERNLFPVGLGSCFTAGRIHWEVEVDKAKWTI 452  
QY 366 GLAHEAASRKGSIQIQRSGFYCIWMDGNQYSACTEPWTLNVRDKLDKGVFLDYDQ 425  
DB 453 GVCEDSVCKRGVTSAPQNGFVAVSLWYKEYWALTSPTALPLRTPLOKRGVFLDYDAG 512  
QY 426 LLIFYNADMSWLYTF-REKFPGLKCSYSPGQSHANGKXVQPLRI 470  
DB 513 EVSFYNNVTERCHTFTTSHATFCGVRPYS--LSYSGKSAAPLII 556  
RESULT 6  
US-10-276-372-2  
Sequence 2, Application US/10276372  
Publication No. US20030186269A1  
GENERAL INFORMATION:  
APPLICANT: Bahr, Georges  
APPLICANT: Cocude, Cecile  
APPLICANT: Capron, Andre  
TITLE OF INVENTION: SSA-56 kDa Polypeptide and its Fragments and Polynucleotides  
FILE REFERENCE: 01753-171  
CURRENT APPLICATION NUMBER: US/10/276,372  
PRIOR FILING DATE: 2002-11-15  
PRIOR APPLICATION NUMBER: FR 00/06315  
PRIOR FILING DATE: 2000-05-17  
PRIOR APPLICATION NUMBER: PCT/FR 01/00725  
PRIOR FILING DATE: 2001-03-12  
NUMBER OF SEQ ID NOS: 29  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 2  
LENGTH: 485  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-276-372-2  
Query Match 22.0%; Score 550.5; DB 14; Length 485;

PRIOR FILING DATE: 2000-12-07  
PRIOR APPLICATION NUMBER: US 60/187,470  
PRIOR FILING DATE: 2000-03-06  
PRIOR APPLICATION NUMBER: US 60/169,629  
PRIOR FILING DATE: 1999-12-08  
NUMBER OF SEQ ID NOS: 482  
SOFTWARE: Patent.pm  
SEQ ID NO 466  
LENGTH: 500  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-876-997-466  
Query Match 24.5%; Score 613; DB 10; Length 500;  
Best Local Similarity 31.6%; Pred. No. 8.7e-43; Indels 16; Gaps 8;  
Matches 148; Conservative 83; Mismatches 222; Indels 16; Gaps 8;  
QY 8 ELLCSICLSIYQDPVSLGCEHYFCRCITETHWVQBAQAGARDCEPCRRRTFAEPALAPSLK 67  
DB 38 ELHCPCLNDWFRDPLMLSCGNFCACIQDQFWRLQAKE--TFCECKMLCOYNNCTNPV 95  
QY 68 LANIVERYSPFLDAILNARRAAPQCAH-DKVKLFCITDRALLCFFCDEPALH--BOHQ 124  
DB 96 LDKLVEKIKLPL-----LKGHPQCPHEGENLKLFSKPDGKLCFCQKADARLSVQGSKE 149  
QY 125 VTGIDDAFDELQELKQALQDQSERHEALQQLKQLAETSKSTKSLRTTIGEAER 184  
DB 150 FLQISDAVHFWEELAIQCGOLETTLKELOTLRNMQKEAIAAHKENKLHQQHVSMFLK 209  
QY 185 LHLRLERQKAMLEADTARTLTDIEQVQRYSOQLRKVQGAQLQERLAETDRHTF 244  
DB 210 LHQFLHSKEKILLREBEGKALMEELNLSIQEQCLLAKMDLMSVIAQKTEQONSDF 269  
QY 245 LAGVASLSERLKG--KIHT-NLTYEDFTSKYTGPLOYTIWKSFLQDIHPVPAALTLDP 301  
DB 270 LKDIITLLHSLQGMKVLATRELISRKLNLGQYKGIQYVWVREMQDTLCPGLSPLTLDP 329  
QY 302 GTAHQRLILDDCTIVAGNLHPQLDPSKRFDEVSVLGSEAFSGVHYWVVAEKT 361  
DB 330 KTAHPNLVLSKQTSVWHGDI-KKIMPDDEPDPSSVAVLGSRGFTSKWTEVEVAKT 388  
QY 362 QWVIGLAHEAASRKGSIQIQRSGFYCIWMDGNQYSACTEPWTLNVRDKLDKGVFLD 421  
DB 389 KWTGVVRESIIRKSCPLTPEQGFLLRLRNQTLKALDLPFSLSLTNNLNDKGVYLD 448  
QY 422 YDQGLLIFYNADMSWLYTFREKFPGLKCSYSPGQSHANGKXVQPLRI 470  
DB 449 YEGGQLSFYNAKTMTHIYTSNTFMKLYPYFCPCINDGR-ENKEPLHI 496  
RESULT 5  
US-09-925-301-943  
Sequence 943, Application US/09925301  
Patent No. US20020052308A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
FILE REFERENCE: PA106  
CURRENT APPLICATION NUMBER: US/09/925,301  
PRIOR FILING DATE: 2001-08-10  
PRIOR APPLICATION NUMBER: PCT/US00/05882  
PRIOR FILING DATE: 2000-03-08  
PRIOR APPLICATION NUMBER: 60/124,270  
PRIOR FILING DATE: 1999-03-12  
NUMBER OF SEQ ID NOS: 1694  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 943  
LENGTH: 580  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (52)



Db 9 NLQESSCPICLEYLKDPTVINGCHNFCRSCLSVSW--KDLDDTFFPCVPCRCFPYKSF 66  
Qy 64 PSLKLANIVERYSFPLDAILNARAARP-----COAHDK-VKLCFLTDRLALCFPCD 115  
Db 67 RNPQLRNTE-----IAQQLIRSKRKROKENAMCEKHQFUTLFCVKDLIELTCQS 120  
Qy 116 EPALHEQHVITGIDDAFDELQRELKQALQALQSEREHEALQQLKRLAETKSTKSLR 175  
Db 121 PSTKHQHYIPIKKAASYHREILLEGSLPLRNRIERVEKVILQGGSKSVLKKVEYKR 180  
Qy 176 TTIGAFERLHRLREROKAMLELEADTARTLTDIEQVORYQOOLRKVOGAQIILQER 235  
Db 181 BEINSEFQIRLFLONEQEMILRQODEMNILA-----KLANENVELSDYVSTLKLH 233  
Qy 236 LAETDRHTFLAGVASLSERLKGKHE-TNLTVED---FPTSKY--TGPLQVTWKSIFQD 289  
Db 234 LREVEGKSVOSNLELITQ-AKSMHKYQNLKCPFLFSRLTKYGFSLPPQYS---GLDRI 289  
Qy 290 IHVPFAALTLDPGTAHQRLILSDCTTIWAYGNLHPQLODSPKRPDVEVSVLGSEAFSSG 349  
Db 290 IKPFQVDVLDLNTAHPOLLVSEDRKAVRYERKKNICVD-PRRFYVCPAVLGSQRFSSG 348  
Qy 350 VHYWEVVAEKTQWVIGLAHAASRKGSIQIOPS--RGFYCIVMHDGNOYSACTEPWTRL 407  
Db 349 RHYWEVEGNKPKWILGVQCDCLLR--NWQDQPSVLGGFWAIGRYMKSGYVASGPKTTLQ 406  
Qy 408 NVRDKLDKGVFLDYDQGLLIFYNADDMWLYTFPREKPGKLCYSYFSPGQSHANGKNVQ 467  
Db 407 LPVVKPSKIGIFLDYVELGDLSPYNNDRSILYTFNDCPTEAWPYF-----YTGTDSEP 460  
Qy 468 LRINTV 473  
Db 461 LKICSV 466

RESULT 9  
US-10-104-047-3664  
; Sequence 3664, Application US/10104047  
; Publication No. US20030236392A1  
; GENERAL INFORMATION:  
; APPLICANT: HELIX RESEARCH INSTITUTE  
; TITLE OF INVENTION: NO. US20030236392A1el full length cDNA  
; FILE REFERENCE: H1-A0105  
; CURRENT APPLICATION NUMBER: US/10/104, 047  
; PRIOR FILING DATE: 2002-03-25  
; NUMBER OF SEQ ID NOS: 4096  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 3664  
; LENGTH: 468  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-104-047-3664

Query March 20.0%; Score 500; DB 15; Length 468;  
Best Local Similarity 27.5%; Pred. No. 2.5e-33;  
Matches 133; Conservative 91; Mismatches 212; Indels 48; Gaps 11;  
Qy 4 SLKDELLCSICLSIYQDPVSLGCEHYFCRRCTEHWVROEAGACDPCRCRTFAEPALA 63  
Db 9 NLREELTCICLDYFSSPVTTEGHSFCLVCLLRW--BEHNTPLSCPECWETLEGPHQ 66  
Qy 64 PSLKLANIVERYSFPLDAILNARRAARPCQAHDKVKLFCFLTDRLALCFPCDEPA----- 118  
Db 67 SNERLQRL-----ASIAQLRSQVLOSEDEQSGVGRMPTTAKALSDDEQGSAPV 116  
Qy 119 --LHEQHVITGIDDAFDELQRELKQALQALQSEREHEALQQLKRLAETKSTKSLRT 176  
Db 117 AQSHGANRVHLSSEAEHREKLEQLINLRVRKEAQAVALTHEKRVKLCQSEETKTCQ 176  
Qy 177 TIGAEERLHRLREROKAMLELEADTARTLTDIEQVORYQOOLRKVOGAQIILQERL 236

Db 177 VVSEYMKMHQFLKEBEQLQLLEQEKENMRKLNNEIKLTQQIRS-----LSKMI 229  
Qy 237 AETDRHTFLAGVASLSERLKGKIHET-----NLTYEDFPTSKYTGPLQVTWKSIFQ 288  
Db 230 AQIESSQSQSAFESL-EVVRGALERSEPLLQCPAATTLSLCRITG-----MKE 279  
Qy 289 DIHPVPAALTLDPGTAHQRLILSDCTTIWAYGNLHPQLODSPKRPDVEVSVLGSEAFSS 348  
Db 280 MLKRFSTEITLDPATANAYLVLSDELKSVKYGGSR-QQLPDPNPERFDQSATVLGTQIFTS 338  
Qy 349 GVHYWEVVAEKTQWVIGLAHAASRKGSIQIOPSRGFYCIVMHDGNOYSACTEPWTRL 407  
Db 339 RHYWEVEGNKPKWILGVQCDCLLR--NWQDQPSVLGGFWAIGRYMKSGYVASGPKTTLQ 406  
Qy 408 NVRDKLDKGVFLDYDQGLLIFYNADDMWLYTFPREKPGKLCYSYFSPGQSHANGKNVQ 466  
Db 399 HVREPVCKGVFLDYVESGHTAFYNGTDESILYSPQASFOEALRPIFSPCLPN-EGTNTD 457  
Qy 467 PLRI 470  
Db 458 PLTI 461

RESULT 10  
US-10-093-463-74  
; Sequence 74, Application US/10093463  
; Publication No. US20030208039A1  
; GENERAL INFORMATION:  
; APPLICANT: Padigaru, Muralidhara  
; APPLICANT: Shenoy, Suresh  
; APPLICANT: Kekuda, Ramesh  
; APPLICANT: Gusev, Vladimir  
; APPLICANT: Pochart, Pascal  
; APPLICANT: Zhong, Mei  
; APPLICANT: Rastelli, Luca  
; APPLICANT: Mezes, Peter  
; APPLICANT: Smithson, Glennda  
; APPLICANT: Guo, Xiaojia  
; APPLICANT: Gerlach, Valerie  
; APPLICANT: Caaman, Stacie  
; APPLICANT: Boldos, Ferenc  
; APPLICANT: Li, Li  
; APPLICANT: Zerhusen, Bryan  
; APPLICANT: Tchernev, Velizar  
; APPLICANT: Gangolli, Esha  
; APPLICANT: Vernet, Corine  
; APPLICANT: Pena, Carol  
; APPLICANT: Burgess, Catherine  
; APPLICANT: Liu, Xiaohong  
; APPLICANT: Spytek, Kimberly  
; APPLICANT: Gorman, Linda  
; APPLICANT: Spaderna, Steven  
; APPLICANT: Voss, Edward  
; APPLICANT: Malyankar, Uriel  
; APPLICANT: Anderson, David  
; APPLICANT: Patturajan, Meera  
; APPLICANT: Miller, Charles  
; APPLICANT: Taupier, Raymond J. Jr.  
; TITLE OF INVENTION: No. US20030208039A1el Antibodies that Bind to Antigenic Polypept  
; FILE REFERENCE: Encoding The Antigens, and Methods of Use.  
; FILE REFERENCE: 21402-290A (Cura 590AT)  
; CURRENT APPLICATION NUMBER: US/10/093, 463  
; CURRENT FILING DATE: 2002-06-24  
; PRIOR APPLICATION NUMBER: 60/283, 675  
; PRIOR FILING DATE: 2001-04-14  
; PRIOR APPLICATION NUMBER: 60/338, 092  
; PRIOR FILING DATE: 2001-12-03  
; PRIOR APPLICATION NUMBER: 60/274, 281  
; PRIOR FILING DATE: 2001-03-08  
; PRIOR APPLICATION NUMBER: 60/274, 101  
; PRIOR FILING DATE: 2001-03-08  
; PRIOR APPLICATION NUMBER: 60/325, 681  
; PRIOR FILING DATE: 2001-09-27

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/ PRIOR APPLICATION NUMBER: 60/304,354
/ PRIOR FILING DATE: 2001-07-10
/ PRIOR APPLICATION NUMBER: 60/279,995
/ PRIOR FILING DATE: 2001-03-30
/ PRIOR APPLICATION NUMBER: 60/294,899
/ PRIOR FILING DATE: 2001-05-31
/ PRIOR APPLICATION NUMBER: 60/287,424
/ PRIOR FILING DATE: 2001-04-30
/ PRIOR APPLICATION NUMBER: 60/299,027
/ PRIOR FILING DATE: 2001-06-18
/ PRIOR APPLICATION NUMBER: 60/309,198
/ PRIOR FILING DATE: 2001-07-31
/ PRIOR APPLICATION NUMBER: 60/281,194
/ PRIOR FILING DATE: 2001-04-04
/ PRIOR APPLICATION NUMBER: 60/274,194
/ PRIOR FILING DATE: 2001-03-08
/ PRIOR APPLICATION NUMBER: 60/274,849
/ PRIOR FILING DATE: 2001-03-09
/ PRIOR APPLICATION NUMBER: 60/330,380
/ PRIOR FILING DATE: 2001-10-18
/ PRIOR APPLICATION NUMBER: 60/275,235
/ PRIOR FILING DATE: 2001-03-12
/ PRIOR APPLICATION NUMBER: 60/288,342
/ PRIOR FILING DATE: 2001-05-03
/ PRIOR APPLICATION NUMBER: 60/275,578
/ PRIOR FILING DATE: 2001-03-13
/ NUMBER OF SEQ ID NOS: 370
/ SOFTWARE: Patent in ver. 2.1
/ SEQ ID NO 74
/ LENGTH: 4675
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-093-463-74

Query Match
Best Local Similarity 19.9%; Score 499.5; DB 15; Length 4675;
Matches 166; Conservative 68; Mismatches 187; Indels 189; Gaps 18;

QY 1 MACSLKDELCISLISYQDPVSLGCEHYFCRCITEHWVROEAQACDCECRRTFAEP 60
Db 4076 LSTNQEANTCAICLDYFTDPVTCDCGHCRCIRCWGQPE--GPYACPECRELSPO 4133
QY 61 ALAPSLKLANIVERYSSFPDLAINARRAAP-----COAH-DKVKLFCITDRALLCF 112
Db 4134 NLRENRLAKVAEM-----ARRLHPPSPVPGVCPAHREPLAFCGDELRLCA 4182
QY 113 FCDPEALHEQHTGIDDAFDELQRELKQOLQALQDSEREHTEALQLKQEAET---K 168
Db 4183 ACERSGEHWAHVRPLQDAEDLAKUEKLEHL-----RKQMDALLFOAQDETCLVW 4238
QY 169 SSTKSLRTTICEAFERHLRLRE-----RQKAMLELEADTARTL----- 208
Db 4239 KWVESQNVILGEFERLRLLAEGGTAAABAGEEELKQSAHLAELIAELERPLPAACAG 4298
QY 209 -----TDIEQKVQYISQQLRKVQEGQAIIQERLAETDRH 242
Db 4299 AAAGESPFMGLHSLRPPGVPFWCFKPEPVDALACAR-----QGCOTQVEPTMLQ 4352
QY 243 TFLAGVASLSRLKGKTHETNLVDEPFTSKYTG-----LQYTIWK-----SLFQDIH 291
Db 4353 MWLGGFAGVTLFPASGAQNI-----SPGTGSWFLSLFLFKYKCSQSVATIRVWH 4405
QY 292 -----VUPAA----- 296
Db 4406 TVPKTKPPCRQGSPLPPSPFAAPAFGLVTATTCFQMTGVRGPPDIDKALRRVDVK 4465
QY 297 -----LTLDPGTAHQRLILSDCTTIVAYGNLHPQ 326
Db 4466 LQPEVPMELRTVCRPGLVETILRRPRGDVTLDPDTANPELILSEDRSRVQGDRLR-QA 4524
QY 327 LQDGPFRDVEVSLGSAFSGVHYWEVVAETQWVIGLAHEAASRKSIOIQPSRGF 386
Db 4525 LQDGPFRDVEVSLGSAFSGVHYWEVVAETQWVIGLAHEAASRKSIOIQPSRGF 386
/ PRIOR APPLICATION NUMBER: 60/304,354
/ PRIOR FILING DATE: 2001-07-10
/ PRIOR APPLICATION NUMBER: 60/279,995
/ PRIOR FILING DATE: 2001-03-30
/ PRIOR APPLICATION NUMBER: 60/294,899
/ PRIOR FILING DATE: 2001-05-31
/ PRIOR APPLICATION NUMBER: 60/287,424
/ PRIOR FILING DATE: 2001-04-30
/ PRIOR APPLICATION NUMBER: 60/299,027
/ PRIOR FILING DATE: 2001-06-18
/ PRIOR APPLICATION NUMBER: 60/309,198
/ PRIOR FILING DATE: 2001-07-31
/ PRIOR APPLICATION NUMBER: 60/281,194
/ PRIOR FILING DATE: 2001-04-04
/ PRIOR APPLICATION NUMBER: 60/274,194
/ PRIOR FILING DATE: 2001-03-08
/ PRIOR APPLICATION NUMBER: 60/274,849
/ PRIOR FILING DATE: 2001-03-09
/ PRIOR APPLICATION NUMBER: 60/330,380
/ PRIOR FILING DATE: 2001-10-18
/ PRIOR APPLICATION NUMBER: 60/275,235
/ PRIOR FILING DATE: 2001-03-12
/ PRIOR APPLICATION NUMBER: 60/288,342
/ PRIOR FILING DATE: 2001-05-03
/ PRIOR APPLICATION NUMBER: 60/275,578
/ PRIOR FILING DATE: 2001-03-13
/ NUMBER OF SEQ ID NOS: 370
/ SOFTWARE: Patent in ver. 2.1
/ SEQ ID NO 74
/ LENGTH: 4675
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-093-463-74

Query Match
Best Local Similarity 19.9%; Score 492; DB 14; Length 465;
Matches 137; Conservative 80; Mismatches 206; Indels 44; Gaps 11;

QY 5 LKDELCISLISYQDPVSLGCEHYFCRCITEHWVROEAQACD---CPECRRTFAEP 60
Db 10 MWEHATCISLISLMTNPNVINCBSYCHLCITDFKPNPSQQLRQETFCPCQCRAPFMD 69
QY 61 ALAPSLKLANIVERYSSFPDLAINARRAAPCOAH-DKVKLFCITDRALLCFCDDEPAL 119
Db 70 SLRPNKQLGSLIE-----ALKETDQEMSCSEHGEQFHLFCDEGQLICWRCERAPQ 120
QY 120 HEQHVQTVGIDDAFDELQRELKQOLQALQDSEREHTEALQLKQEAETKSTKSLRTTIG 179
Db 121 HIGHTTALVEDVCQYKELQEAETKQLQLEDRCETQKSLSTAMRTTKWKEVQIQOKIR 180
QY 180 EAFERHLRLRQKAMLELEADTARTLT---DIEQKVQYISQQLR-----KVQEG 228
Db 181 SDFKNLQCFLHBEKSYLWLEKEEQTLRLRDEAGLGLKSNELKSHILLEEKCOGS 240
QY 229 AQILQERLAETDRHTFLAGVASLSRLKGKTHETNLVDEPFTSKYTGPLQVTIWKSIFQ 288
Db 241 AOKLIQNVNDT-----LSRWAVKLETSEAVSELELHTMCNVSKLYFDVKMLRS 289
QY 289 DHPVPAALTLDPGTAHQRLILSDCTTIVAYGNLHPQLOD-SPKRFVDEVSVLGSEAFS 347
Db 290 --HQV--SVTLDPDTANPELILSEDRSRVQTRG--YTQENQDTSRRRFTAPFCVLGCEGFT 343
QY 348 SGVHYWEVVAETQWVIGLAHEAASRKSIOIQPSRGFYCIWHDGNGQISACTEPWTRL 407
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Db 344 SGRRYFEVDVGGTGWLDGVCNENQVGRGTGMKQEPQSGFWTLRLCKKKGYVALTSPPTSL 403  
Qy 408 NVRDKLDKVGVLDDYDQGLLIYNADMSWLYTF-REKFPGLKCSYF 453  
Db 404 HLHEQPLLVGIFLDYEAQVVSFYNGTNGCHIFFPKASFSDTLRPF 450

RESULT 12

US-10-042-211A-97  
; Sequence 97, Application US/10042211A  
; Publication No. US20030170719A1  
; GENERAL INFORMATION:  
; APPLICANT: MATSUDA, Akio et al.  
; TITLE OF INVENTION: NFkB Activating Gene  
; FILE REFERENCE: 1254-0192P  
; CURRENT APPLICATION NUMBER: US/10/042,211A  
; CURRENT FILING DATE: 2002-01-11  
; PRIOR APPLICATION NUMBER: JP 2000-402289  
; PRIOR FILING DATE: 2000-12-28  
; PRIOR APPLICATION NUMBER: JP 2001-088912  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: JP 2001-254018  
; PRIOR FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: US 60/258,315  
; PRIOR FILING DATE: 2000-12-28  
; PRIOR APPLICATION NUMBER: US 60/278,640  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: US 60/314,385  
; PRIOR FILING DATE: 2001-08-24  
; NUMBER OF SEQ ID NOS: 182  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 97  
; TYPE: PR1  
; LENGTH: 465  
; ORGANISM: Homo sapiens  
US-10-042-211A-97

Query Match 19.6%; Score 492; DB 14; Length 465;  
Best Local Similarity 29.3%; Pred. No. 1.2e-32;  
Matches 137; Conservative 90; Mismatches 206; Indels 44; Gaps 11;  
Qy 5 LKDELLCSICLSIYQDPVSLGCEHYFCRCRITHEHWVQEAQAGD---CPECRRTAEP 60  
Db 10 MMEATCSICLSMTNPVSINCGHSYCHLCITDPKPNPSQKLRQETCCQCRAPFMD 69  
Qy 61 ALAPSLKLANIVERYSFPDLNARRAARPCQAH-DKVKLFCLTDRLALLCFPCDEPAL 119  
Db 70 SLRPNKQLGLSIE-----ALKETDQEMSCEEHGEQFHLFCDEGQLICWRCERAPQ 120  
Qy 120 HEHQVGTGDDAFDELQRELQDQALQDSEREHTEALQKLAETKSTKSLRTTIG 179  
Db 121 HGHTTALVEDVCOGYKEKQKAVTKLQLEDRCCTEQKLTAMRITKWKVKVQIRKIR 180  
Qy 180 EAFERLHRLRERQKAMLEELADTARTLT---DIEQKVQYSQQLR-----KVQEG 228  
Db 181 SDFKNLQCFLHEBKSYLWLEKEBQQTLSRLDYEAGLGKSNELKSHILELEKCGGS 240  
Qy 229 AQILQERLAETDRHTFLAGVASLSERLKGKIHETNLTIEDPTSKYTGPLOYTIWKSIFQ 288  
Db 241 AQKLLQNVNDT-----LSRSWAVKLETSEAVSLELHMTMCNVSPLYDVKMMLRS 289  
Qy 289 DIHPVPAALTDPGTAHQRLIISDDCTIIVAYGNLHPQLQD-SPKRFDFVSVVLGSEAFS 347  
Db 290 --HQV--SVTLDPDTAHHELILSEDRRQVTRG--YTQENQDTSRRFTAFPCVLGCEGT 343  
Qy 348 SGVHYVEVVVAETQWVIGLAHEAARSGSIQISRGFYCIIVMDGNQYSACTEPWTRL 407  
Db 344 SGRRYFEVDVGGTGWLDGVCNENQVGRGTGMKQEPQSGFWTLRLCKKKGYVALTSPPTSL 403  
Qy 408 NVRDKLDKVGVLDDYDQGLLIYNADMSWLYTF-REKFPGLKCSYF 453  
Db 404 HLHEQPLLVGIFLDYEAQVVSFYNGTNGCHIFFPKASFSDTLRPF 450

RESULT 13  
US-10-024-298A-99  
; Sequence 99, Application US/10024298A  
; Publication No. US20030143540A1  
; GENERAL INFORMATION:  
; APPLICANT: ASAH KASEI KABUSHIKI KAISHA  
; APPLICANT: AKIO MATSUDA  
; APPLICANT: Goichi HONDA  
; APPLICANT: Shuji MURAMATSU  
; APPLICANT: Yukiko NAGANO  
; TITLE OF INVENTION: NF-K B Activating Gene  
; FILE REFERENCE: 1254-0131P  
; CURRENT APPLICATION NUMBER: US/10/024,298A  
; CURRENT FILING DATE: 2003-04-08  
; PRIOR APPLICATION NUMBER: 60/314,385  
; PRIOR FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: 60/278,641  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: 60/258,315  
; PRIOR FILING DATE: 2000-12-28  
; PRIOR APPLICATION NUMBER: JP254018/2001  
; PRIOR FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: JP0088912/2001  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: JP402288/2000  
; PRIOR FILING DATE: 2000-12-28  
; NUMBER OF SEQ ID NOS: 182  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 99  
; TYPE: PR1  
; LENGTH: 465  
; ORGANISM: Homo sapiens  
US-10-024-298A-99

Query Match 19.5%; Score 489; DB 14; Length 465;  
Best Local Similarity 29.3%; Pred. No. 2.1e-32;  
Matches 137; Conservative 79; Mismatches 207; Indels 44; Gaps 11;  
Qy 5 LKDELLCSICLSIYQDPVSLGCEHYFCRCRITHEHWVQEAQAGD---CPECRRTAEP 60  
Db 10 MMEATCSICLSMTNPVSINCGHSYCHLCITDPKPNPSQKLRQETCCQCRAPFMD 69  
Qy 61 ALAPSLKLANIVERYSFPDLNARRAARPCQAH-DKVKLFCLTDRLALLCFPCDEPAL 119  
Db 70 SLRPNKQLGLSIE-----ALKETDQEMSCEEHGEQFHLFCDEGQLICWRCERAPQ 120  
Qy 120 HEHQVGTGDDAFDELQRELQDQALQDSEREHTEALQKLAETKSTKSLRTTIG 179  
Db 121 HGHTTALVEDVCOGYKEKQKAVTKLQLEDRCCTEQKLTAMRITKWKVKVQIRKIR 180  
Qy 180 EAFERLHRLRERQKAMLEELADTARTLT---DIEQKVQYSQQLR-----KVQEG 228  
Db 181 SDFKNLQCFLHEBKSYLWLEKEBQQTLSRLDYEAGLGKSNELKSHILELEKCGGS 240  
Qy 229 AQILQERLAETDRHTFLAGVASLSERLKGKIHETNLTIEDPTSKYTGPLOYTIWKSIFQ 288  
Db 241 AQKLLQNVNDT-----LSRSWAVKLETSEAVSLELHMTMCNVSPLYDVKMMLRS 289  
Qy 289 DIHPVPAALTDPGTAHQRLIISDDCTIIVAYGNLHPQLQD-SPKRFDFVSVVLGSEAFS 347  
Db 290 --HQV--SVTLDPDTAHHELILSEDRRQVTRG--YTQENQDTSRRFTAFPCVLGCEGT 343  
Qy 348 SGVHYVEVVVAETQWVIGLAHEAARSGSIQISRGFYCIIVMDGNQYSACTEPWTRL 407  
Db 344 SGRRYFEVDVGGTGWLDGVCNENQVGRGTGMKQEPQSGFWTLRLCKKKGYVALTSPPTSL 403  
Qy 408 NVRDKLDKVGVLDDYDQGLLIYNADMSWLYTF-REKFPGLKCSYF 453  
Db 404 HLHEQPLLVGIFLDYEAQVVSFYNGTNGCHIFFPKASFSDTLRPF 450

## RESULT 14

US-10-042-211A-99  
; Sequence 99, Application US/10042211A  
; Publication No. US20030170719A1  
; GENERAL INFORMATION:  
; APPLICANT: MATSUDA, Akio et al.  
; TITLE OF INVENTION: NPX Activating Gene  
; FILE REFERENCE: 1254-0192P  
; CURRENT APPLICATION NUMBER: US/10/042,211A  
; CURRENT FILING DATE: 2002-01-11  
; PRIOR APPLICATION NUMBER: JP 2000-402288  
; PRIOR FILING DATE: 2000-12-28  
; PRIOR APPLICATION NUMBER: JP 2001-088912  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: JP 2001-254018  
; PRIOR FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: US 60/258,315  
; PRIOR FILING DATE: 2000-12-28  
; PRIOR APPLICATION NUMBER: US 60/278,640  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: US 60/314,385  
; PRIOR FILING DATE: 2001-08-24  
; NUMBER OF SEQ ID NOS: 182  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 99  
; LENGTH: 465  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-10-042-211A-99

Query Match 19.5%; Score 489; DB 14; Length 465;  
Best Local Similarity 29.3%; Pred. No. 2.1e-32;  
Matches 137; Conservative 79; Mismatches 207; Indels 44; Gaps 11;

QY	5	LKDELCSCLSYQDPVSLGCEHVCRCIIEHVVQEAQARD----	CPCCRTFAEP	60
Db	10	MMEBETCSCLSMTPVSNVINGHSYCHLCITDFFKNPSQKGLRQETFCPCPCRAFFHMD	69	
QY	61	ALAPSLKANIVERYGSPFLDAILNARRAARPCQAH--DKVKLFCULTDRALLCFFCDEPAL	119	
Db	70	SLRPNKQLGSLIE-----ALKETQEMSCEEHGEQFLFCEDEGOLICWR CERAPQ	120	
QY	120	HEQHTVGTDDAFDELQRELBKQLOLQALQDSERHFEALQLKRLAETKSSKSLRTTIG	179	
Db	121	HKGHTTALVEDVCGQYKEKQLQAVTKLQLEDRCCTEQKLSSTAMRTKKEKVKIQKQIR	180	
QY	180	EAPERLHLRERQKAMLEADTARTLT--DIEQKVQYSQQLR-----KVQEG	228	
Db	181	SDFKNLCQFLHEEKSVLNLEKEEQTLRLRDYEAAGLKSNEKSHILEEKECKQS	240	
QY	229	AQILQERLAETDRHTFLAGVASLSERLKGKIHTNLTIEDFTSKYTGPIQYTWKSLFQ	288	
Db	241	AQKLLQNVNDT-----LSRSWAVKLETSEAVSLELHTMCNVSKLYFDVKKMLRS	289	
QY	289	DIHPVPAALTDPGTAHQRLILSDCTIVAYGNLHPQLQD--SPKRFVDEVSVLGSEAPS	347	
Db	290	--HQV--SVTLDPDTAHHELILSEDRQVTRG--YQEQNDTSSRFTAFPCVLCCEGPT	343	
QY	348	SGVHYWEVVAETKQWVIGLHAFAARKGSIQPSRGFYCIVMHNGNOYSACTEPWTL	407	
Db	344	SGRRYFVDVGEGTGMDLVGCMENVQGTGMKQEQSGEFTLRLCKKGGVALTSPTSL	403	
QY	408	NVRDKLVGVFLDYDQGLIFYNADDMSWLYTF--REKPGKLCSYF	453	
Db	404	HLHEQPLLGVFLDYDQGLIFYNADDMSWLYTF--REKPGKLCSYF	450	

RESULT 15  
US-10-093-463-72  
; Sequence 72, Application US/10093463  
; Publication No. US20030208039A1  
; GENERAL INFORMATION:  
; APPLICANT: Padigaru, Muralidhara

APPLICANT: Shenoy, Suresh  
APPLICANT: Kekuda, Ramesh  
APPLICANT: Gusev, Vladimir  
APPLICANT: Pochart, Pascal  
APPLICANT: Zhong, Mei  
APPLICANT: Rastelli, Luca  
APPLICANT: Mezes, Peter  
APPLICANT: Smithson, Glennda  
APPLICANT: Guo, Xiaojia  
APPLICANT: Gerlach, Valerie  
APPLICANT: Casman, Stacie  
APPLICANT: Boldog, Ferenc  
APPLICANT: Li, Li  
APPLICANT: Zerhusen, Bryan  
APPLICANT: Tchernev, Velizar  
APPLICANT: Gangolli, Baha  
APPLICANT: Vernier, Corine  
APPLICANT: Pena, Carol  
APPLICANT: Burgess, Catherine  
APPLICANT: Liu, Xiaohong  
APPLICANT: Spytek, Kimberly  
APPLICANT: Gorman, Linda  
APPLICANT: Spaderna, Steven  
APPLICANT: Voess, Edward  
APPLICANT: Malyankar, Uriel  
APPLICANT: Anderson, David  
APPLICANT: Patturajan, Meera  
APPLICANT: Miller, Charles  
APPLICANT: Taupier, Raymond J. Jr.  
TITLE OF INVENTION: No. US20030208039A1: Antibodies that Bind to Antigenic Polypept  
FILE REFERENCE: 21402-290A (Cura 590AT)  
CURRENT APPLICATION NUMBER: US/10/093,463  
CURRENT FILING DATE: 2002-06-24  
PRIOR APPLICATION NUMBER: 60/283,675  
PRIOR FILING DATE: 2001-04-14  
PRIOR APPLICATION NUMBER: 60/338,092  
PRIOR FILING DATE: 2001-12-03  
PRIOR APPLICATION NUMBER: 60/274,281  
PRIOR FILING DATE: 2001-03-08  
PRIOR APPLICATION NUMBER: 60/274,101  
PRIOR FILING DATE: 2001-03-08  
PRIOR APPLICATION NUMBER: 60/325,681  
PRIOR FILING DATE: 2001-09-27  
PRIOR APPLICATION NUMBER: 60/304,354  
PRIOR FILING DATE: 2001-07-10  
PRIOR APPLICATION NUMBER: 60/279,995  
PRIOR FILING DATE: 2001-03-30  
PRIOR APPLICATION NUMBER: 60/294,899  
PRIOR FILING DATE: 2001-05-31  
PRIOR APPLICATION NUMBER: 60/287,424  
PRIOR FILING DATE: 2001-04-30  
PRIOR APPLICATION NUMBER: 60/299,027  
PRIOR FILING DATE: 2001-06-18  
PRIOR APPLICATION NUMBER: 60/309,198  
PRIOR FILING DATE: 2001-07-31  
PRIOR APPLICATION NUMBER: 60/281,194  
PRIOR FILING DATE: 2001-04-04  
PRIOR APPLICATION NUMBER: 60/274,194  
PRIOR FILING DATE: 2001-03-08  
PRIOR APPLICATION NUMBER: 60/274,849  
PRIOR FILING DATE: 2001-03-09  
PRIOR APPLICATION NUMBER: 60/330,380  
PRIOR FILING DATE: 2001-10-18  
PRIOR APPLICATION NUMBER: 60/275,235  
PRIOR FILING DATE: 2001-03-12  
PRIOR APPLICATION NUMBER: 60/288,342  
PRIOR FILING DATE: 2001-05-03  
PRIOR APPLICATION NUMBER: 60/275,578  
PRIOR FILING DATE: 2001-03-13  
NUMBER OF SEQ ID NOS: 370  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 72

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; LENGTH: 4691
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-093-463-72

Query Match      19.0%; Score 475.5; DB 15; Length 4691;
Best Local Similarity 27.3%; Pred. No. 7.8e-30;
Matches 137; Conservative 84; Mismatches 214; Indels 67; Gaps 15;

Qy      1  MACSLKDELLCSICLSIYQDPVSLGCEHYFCRRCCITEHWV-----RQEAQAGARDQPEC 53
Db      3487 LARKLQEAATCSICLDYFTDVTTCGHNFACRACIQLSWEKARGKGRKRGKSGFPCPEC 3546

Qy      54  RRTFAEPALAPSLKLANIVERYSFPLDAIINARRAAPQQA-HDKVKLFLCLTDRLALLCF 112
Db      3547 REMSPQRNLLNRLITKVAEMAQOHP-----GLQKQDLCOEHHEPLKLFCKQDQSPICV 3600

Qy      113 FCDPFAHQEQVTCIDDAFDELQRELKQALQDSDSERBHEALQLLKQ-LAETKSST 171
Db      3601 VCRSREHRLHRVLPAAEAVQGYKLUEDNEYDRE-QITRTGNLQAREEQSLAEWGKV 3659

Qy      172 KSLRTTIGEAERLHRLRERQKAMLELEADTARTLTDIEQKV-----QRYSQOL----- 222
Db      3660 KERRERIVLEFEKXNLYLVEEQRLQALETEEBETASRLRESVACLDROGHSLELLLLQ 3719

Qy      223 ---RKVQEGAQILQERLAETDRHTFLAGVASLSERLKGKIHTNLTIEDPRTSKYTGPIQ 279
Db      3720 LEERSTQGLQMLQDMKEPLSRAALLVVL-----IHGMNLV--EPFVVSPLSPLY 3767

Qy      280 YTIWKS-----LFQDIHPVPAALTDPGTAHQRLILSDDCCT-----IVAYGNLHPQ 325
Db      3768 LIATKAHTQLGPGTPTFPBPGCTPLPISPPRPSTEDVW--PDATSAVPYLLLYESRQR 3825

Qy      326 PLQDSPK-----RFDVSVSLGSEAFSGGVHYWEV--VVAEKTQWVIGLAHEAARSK 375
Db      3826 YLGSSPEGSGFCSDRFVAYPCAVGQTAFSSGRHYWEVGMNITGDALWALGVCRDNYSRK 3885

Qy      376 GSIQIQPSRGFYCIVMHDGNYQYACTEPWTRLNVRDKLDKGVFLDYDQGLLIIFYNADDM 435
Db      3886 DRVPKCPENGFWVVLQSKGTXYLSTFSALTTPMLMEPESHMGIFLDFEAGEVSFYSYSDG 3945

Qy      436 SWLYTFRE-KFFGKLCYFSPG 456
Db      3946 SHLHTYSQATFPGPLQPFCLG 3967
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Job time : 48 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 13, 2004, 10:39:16 ; Search time 23 seconds  
(without alignments)  
1066.189 Million cell updates/sec

Title: US-09-927-091-1

Perfect score: 2504

Sequence: 1 MACSLKOBLLCSICLSIYQD.....GQSHANGKNVQLPINTVRI 475

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

- Issued Patents AA:\*
  - 1: /cgn2\_6/ptodata/2/iaa/5A-COMB.pep:\*
  - 2: /cgn2\_6/ptodata/2/iaa/5B-COMB.pep:\*
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  - 5: /cgn2\_6/ptodata/2/iaa/PCTUS-COMB.pep:\*
  - 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	486	19.4	485	2	US-08-724-394A-8
3	427.5	17.1	781	4	US-09-486-147-3
4	421	16.8	179	4	US-09-486-147-38
5	396	15.8	178	4	US-09-486-147-37
6	364.5	14.6	413	4	US-09-663-600A-198
7	348	13.9	183	4	US-09-486-147-36
8	339	13.5	584	4	US-09-910-174B-16
9	339	13.5	584	4	US-09-620-461-16
10	335.5	13.4	184	4	US-09-486-147-35
11	329	13.1	513	4	US-09-910-174B-18
12	329	13.1	513	4	US-09-620-461-18
13	321	12.8	610	2	US-08-724-394A-5
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16	315.5	12.6	529	4	US-09-910-174B-13
17	315.5	12.6	529	4	US-09-620-461-13
18	312.5	12.5	181	4	US-09-486-147-5
19	311.5	12.4	174	4	US-09-486-147-41
20	307.5	12.3	523	4	US-09-910-174B-11
21	307.5	12.3	523	4	US-09-620-461-11
22	305.5	12.2	540	2	US-08-724-394A-4
23	303	12.1	185	4	US-09-486-147-39
24	299	11.9	581	2	US-08-724-394A-2
25	295.5	11.8	581	2	US-08-724-394A-3
26	293	11.7	526	4	US-09-910-174B-9
27	293	11.7	526	4	US-09-620-461-9

28	281.5	11.2	731	4	US-09-910-174B-15
29	281.5	11.2	731	4	US-09-620-461-15
30	275.5	11.0	589	2	US-08-724-394A-1
31	264	10.5	218	4	US-09-327-983-6
32	248.5	9.9	253	4	US-09-484-970B-171
33	229	9.1	223	4	US-09-327-983-5
34	192	7.7	164	4	US-09-486-147-43
35	181	7.2	158	4	US-09-663-600A-104
36	168.5	6.7	100	4	US-09-230-196-5
37	167.5	6.7	197	4	US-09-486-147-40
38	167	6.7	174	4	US-09-486-147-42
39	166.5	6.6	588	1	US-07-903-466-3
40	166.5	6.6	588	5	PCT-US93-05794-3
41	165	6.6	144	4	US-09-486-147-44
42	150	6.0	183	4	US-09-621-976-4209
43	144.5	5.8	209	4	US-09-461-325-468
44	144.5	5.8	209	4	US-10-012-542-468
45	144.5	5.8	435	4	US-09-561-989-10

ALIGNMENTS

RESULT 1  
US-08-724-394A-7  
; Sequence 7, Application US/08724394A  
; Patent No. 5872237  
; GENERAL INFORMATION:  
; APPLICANT: Feder, John N.  
; APPLICANT: Kronmal, Gregory S.  
; APPLICANT: Lauer, Peter M.  
; APPLICANT: Ruddy, David A.  
; APPLICANT: Thomas, Winston  
; APPLICANT: Tsuchihashi, Zenta  
; APPLICANT: Wolff, Roger K.  
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el  
; TITLE OF INVENTION: Sequences and Antibodies Thereto  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/724,394A  
; FILING DATE: 01-OCT-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fitts, Renee A.  
; REGISTRATION NUMBER: 35,136  
; REFERENCE/DOCKET NUMBER: 017957-000100  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-576-0200  
; TELEFAX: 415-576-0300  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 487 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Region  
; LOCATION: 1..487  
; OTHER INFORMATION: /note= "52 kD Ro"  
; US-08-724-394A-7

Query Match 21.8%; Score 546.5; DB 2; Length 487;  
Best Local Similarity 30.4%; Pred. No. 4.7e-43;  
Matches 150; Conservative 92; Mismatches 202; Indels 49; Gaps 16;

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QY 58 ABPALAPSLKLANIVERYSFPLDAILNARRAAPCOAH-DKVKLFCLTDRALLCFFCDE 116  
DB 67 LKXLPNQLANVNNLKEISOEA--REGTOGERCAVGERLHLFCEDKGKALCWCAQ 124  
QY 117 PALHEOHQVGTIDDAFELQRELKQALQDSERHEALQI---LKQLAETSKS 173  
DB 125 SRKRDHAMVPLEEAAQEQYCKLQVALGELR-RKQELAEKLEVEIAIKR--ADWKTIVET 181  
QY 174 LRTTIGAEPLRLRLRERQKAMLEBEADTARTLTDIEOKVQYSQQLRKVQEGAQILQ 233  
DB 182 QKSRHAEFVQKQNFLEBEQRLQLEKDEBQRLKEKAKLAQ-----SQALQ 234  
QY 234 ERLAETDRHTFLAGVASLSERL-----KGKIHETNLTYEDFPFSKYTGPLYTIWKS 286  
DB 235 ELISELDRCHSALLEQLQEVIIVLERSSEWNLKOLDITSPELRSVCHV-PXXXXGLKMM 293  
QY 287 FQD--IHPVPAALTDPGTAHQRLILSDCTIVAYGNLHPQLQDSKRFDEVSVLGSE 344  
DB 294 LRTCAVH-----ITLDPDTANPWLILSEDRRQVRLGDTQ-QSLPNEERFDSYPWVLGAQ 347  
QY 345 AFSSGVHYEVVVAEKTQWVIGLAHEAASRKSGSIQIPSRGFYCIYVMDGNQYSACTEPW 404  
DB 348 HFHSKGHYEVVDYTGKEMDGLVCRDSVRRKGHFLSSKSGFWTILWLNKQYEAQTYFQ 407  
QY 405 TRLVNRDLKDKGVFLDYDOGLLIFYN-ADDSMWLYTFRE-KFPGKLCYSFSPGSHANG 462  
DB 408 TPLHLQVPPCQGVIFLDYEGWVSFYNTIDHGLIYSFSECAFTGRLRFFSFG-FNDGG 466  
QY 463 KNVQPLRLNTVRI 475  
DB 467 KNTAPLTCLPLNI 479

RESULT 2  
US-08-724-394A-8  
; Sequence 8, Application US/08724394A  
; Patent No. 5872237  
; GENERAL INFORMATION:  
; APPLICANT: Feder, John N.  
; APPLICANT: Krommal, Gregory S.  
; APPLICANT: Lauer, Peter M.  
; APPLICANT: Ruddy, David A.  
; APPLICANT: Thomas, Winston  
; APPLICANT: Tsuchibashi, Zenta  
; APPLICANT: Wolff, Roger K.  
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el  
; TITLE OF INVENTION: Sequences and Antibodies Thereof  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/724,394A  
; FILING DATE: 01-OCT-1996  
; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:  
; NAME: Fitts, Renee A.  
; REGISTRATION NUMBER: 35,136  
; REFERENCE/DOCKET NUMBER: 017957-000100  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-576-0200  
; TELEFAX: 415-576-0300  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 485 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Region  
; LOCATION: 1..485  
; OTHER INFORMATION: /note= "RoRet"  
US-08-724-394A-8

Query Match 19.4%; Score 486; DB 2; Length 485;  
Best Local Similarity 29.3%; Pred. No. 2.5e-37;  
Matches 137; Conservative 80; Mismatches 213; Indels 38; Gaps 12;

QY 5 LKDELLCSICLSIYQDPVSLGCEHYFCRCITTEHVRQEAQAGARD-----CPECRRITFAEP 60  
DB 10 MMEATCSICLSLMTNPNVINCCHSYCHLCITDPFKNPSQKQLRQETFCPCQKRAPEHMD 69  
QY 61 ALAPSLKLANIVERYSFPLDAILNARRAAPCOAH-DKVKLFCLTDRALLCFFCDEPAL 119  
DB 70 SLRENKQLGSLIEALKR--TDQENXXXXXXSCBEEHQFHLFCEDGGLICRCEAPQ 127  
QY 120 HEQOVGTIDDAFELQRELKQALQDSERHEALQQLKQLAETSKSLSRTTIG 179  
DB 128 HKGHTALVEDVCOGYKEKQKAVTKLQLEDRCETQKLSAMEITKWKKEVQIQOKIR 187  
QY 180 EAFRLHRLRERQKAMLEBEADTARTLT---DIEOKVQYSQQLR-----KVQEG 228  
DB 188 SDFXNQCFLHEEBSYLRLEKEEQTLRLRDYEAGLGLKSNELKSHILEBEKCGS 247  
QY 229 AQILQERLAETDRHTFLAGVASLSERLKGKIHETNLTYEDFPFSKYTGPLYTIWKS 288  
DB 248 AQKLLQNVDT-----LSRSNAVKLESEAVSLELHTWCNYSKLYFDVKMLRS 296  
QY 289 DIHPVPAALTDPGTAHQRLILSDCTIVAYGNLHPQLQD-SPKRFDEVSVLGSEAFS 347  
DB 297 --HQV--SVTLDPDTAHHELILSEDRRQVTRG--YTQENQDTSRRRFTAPFCVLGCEGFT 350  
QY 348 SGVHYEVVVAEKTQWVIGLAHEAASRKSGSIQIPSRGFYCIYVMDGNQYSACTEPWTRL 407  
DB 351 SGRRYFEVDVGEGTGNDLGVCMENVQRTGKMQEPQSGFWTLRLCKKKGYVLTSPPTSL 410  
QY 408 NVRDKLKDVKGVFLDYDOGLLIFYNADDSMWLYTFRE-KFPGKLCYSF 453  
DB 411 HLHEQPLLVGIFLDYEGWVSFYNGXNTGCHITFPKASFSDTLRPF 458

RESULT 3  
US-09-486-147-3  
; Sequence 3, Application US/09486147  
; Patent No. 6627745  
; GENERAL INFORMATION:  
; APPLICANT: The Government of the United States of America, as  
; APPLICANT: represented by the Secretary, Department of Health and Human  
; APPLICANT: Services  
; APPLICANT: Daniel L. Kastner  
; APPLICANT: Ivona Aksentijevich  
; APPLICANT: Michael Centola  
; APPLICANT: Zuoming Deng  
; APPLICANT: Raman Sood  
; APPLICANT: Francis S. Collins  
; APPLICANT: Trevor Blake  
; APPLICANT: P. Paul Liu



```

; PRIOR FILING DATE: 1998-08-20
; PRIOR APPLICATION NUMBER: 60/056,217
; PRIOR FILING DATE: 1997-08-21
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 37
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-09-486-147-37

Query Match 15.8%; Score 396; DB 4; Length 178;
Best Local Similarity 46.2%; Pred. No. 1.7e-29;
Matches 80; Conservative 28; Mismatches 63; Indels 2; Gaps 2;

QY 297 LILDPOTAHQRLISDDCTIVAYGNLHPQLODSKRPDVEVSLGSEAFSGGVHWEV 356
Db 3 MLLDPTSAHNLHLSGLTSVRYGE-NKLSLFDNPKAFSQCTILVIGSQGDFDGRHYWE 61
QY 357 VAEKTOVWIGLAHEAASRGSIQIQPSRGFYCVIMHGDGNQYGACTEPTRLNVRDKLV 416
Db 62 VGDKTAWDVGMASESSNRKGIKLNPKNGYMAIWLNGNAYKALBSPSKSLSSHPRKI 121
QY 417 GVFLDYDQGLIPIYADMSWLYTFREKFPGLKCSYFSGQSHANGKQVPLR 469
Db 122 GVTVDYEGGQISYNADMTIITFNATFTEKLYPYLSP-FLHDSGKNVDPLR 173

RESULT 6
US-09-663-600A-198
; Sequence 198, Application US/09663600A
; Patent No. 6573068
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean-Baptiste
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bougueret, Lydie
; TITLE OF INVENTION: EXTENDED CDNAS FOR SECRETED PROTEINS
; FILE REFERENCE: 31.US3.CIP
; CURRENT APPLICATION NUMBER: US/09/663,600A
; CURRENT FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: 09/191,997
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: 60/066,677
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/069,957
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/074,121
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/081,563
; PRIOR FILING DATE: 1998-04-13
; PRIOR APPLICATION NUMBER: 60/096,116
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/099,273
; PRIOR FILING DATE: 1998-09-04
; NUMBER OF SEQ ID NOS: 229
; SOFTWARE: Patent.pm
; SEQ ID NO 198
; LENGTH: 413
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -37..-1
US-09-663-600A-198

Query Match 14.6%; Score 364.5; DB 4; Length 413;
Best Local Similarity 26.4%; Pred. No. 6.2e-26;
Matches 115; Conservative 79; Mismatches 170; Indels 71; Gaps 15;

QY 4 SLKDELCSICLSYQDPVSLGCHYFCRRITTEHWVQEA---QGAQDCPCRTFAE 59
Db 8 NVQREVCPICLELLTEPLSLDCGSLCRACITVS--NKEAVTSMGKSCPCVIGISYF 65

; PRIOR FILING DATE: 1998-08-20
; PRIOR APPLICATION NUMBER: 60/056,217
; PRIOR FILING DATE: 1997-08-21
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 37
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-09-486-147-37

Query Match 13.9%; Score 348; DB 4; Length 183;
Best Local Similarity 42.9%; Pred. No. 6.2e-25;
Matches 75; Conservative 28; Mismatches 65; Indels 4; Gaps 3;

QY 60 PALAPSLKLANIVERYSSFFPLDAILNARRAARPCQAH-DKVKLFCITDRALLCFFDEPA 118
Db 66 EHLQANQHLANIVERLKEVKLSPDNGKKRDL--CDHGEKLLLFCKEDRKVICWLCSRSQ 123
QY 119 LHECHQVTGIDDAFDELORELKQALQDSREHTEALQQLKRLAETKSTK----SL 174
Db 124 EHRGHHTVLTVEVFKCEQKQLQAVLRLKKEE---AEKLEADIREKTSIKYQVOTE 179
QY 175 RTTIGAFERLHLLRERQKAMLEELADTARTLTDIHQKVQRYSQLRKVQ-----227
Db 180 RQRIQTFEQDLRSILANNEEQRELQRLLEEBEKTLDKFAEADELVOQQLVRELISDVEC 239
QY 228 -----GAQIIQERLAETDRHTFLAGVASLSE--RLGKKTHTNLTVEDFTSKYTGLOQ 280
Db 240 RSQWSTWELLQD-----MSGIMKWEIWLK-----KPKVSKKULKTVPHADLSR 285
QY 281 TIMKSLFQDHPVP---AALTDPGTAHQRLISDDCTIVAYGNLHPQLODSKRPDVE 337
Db 286 ML--QMFRELTAVRCYWDVTLNSVNLNLVLSEDRQVISVPINPFQCVN-----335
QY 338 VSVLGSAPFSGGVHWEVVAEKTQWVG-----LAHEAASRGK-SIQIQPSR 384
Db 336 YGVLGSGYFSSGKHVEVDVSKKTAMILGVYCRYSHMKYVVRRCANRONLYTKYRPLF 395
QY 385 GFYCVIMHGDGNQYSA 399
Db 396 GYVWIGLQNKCKYCA 410

RESULT 7
US-09-486-147-36
; Sequence 36, Application US/09486147
; Patent No. 6627745
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; APPLICANT: represented by the Secretary, Department of Health and Human
; APPLICANT: Services
; APPLICANT: Daniel L. Kastner
; APPLICANT: Ivona Aksentijevich
; APPLICANT: Michael Gentola
; APPLICANT: Zuoming Deng
; APPLICANT: Raman Sood
; APPLICANT: Francis S. Collins
; APPLICANT: Trevor Blake
; APPLICANT: P. Paul Liu
; APPLICANT: Deborah Gumucio
; APPLICANT: Robert I. Richards
; APPLICANT: Darrell O. Rieke
; APPLICANT: No. 6627745man A. Doggett
; APPLICANT: Moraechai Pras
; TITLE OF INVENTION: IDENTIFICATION OF THE GENE CAUSING
; TITLE OF INVENTION: FAMILIAL MEDITERRANEAN FEVER
; FILE REFERENCE: 14014.0314U1
; CURRENT APPLICATION NUMBER: US/09/486,147
; CURRENT FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: PCT/US98/17255
; PRIOR FILING DATE: 1998-08-20
; PRIOR APPLICATION NUMBER: 60/056,217
; PRIOR FILING DATE: 1997-08-21
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 36
; LENGTH: 183
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:/ No. 6627745e =
; OTHER INFORMATION: Synthetic construct
US-09-486-147-36
```

QY 297 LTLDPGTAHQRLILSDCTIVAYGNLHPQLQDSPKRFDVEVSLGSEAFSSGVHYMEW 356  
Db 3 VTLDPDTPAIPSLILSDNLQVRYSLQ-QDLPDNERNLFCVLSGPCFIAGRHYYEVE 61  
QY 357 VAEKQWVIGLAHEAASRKSQIQPSRGFYCIVMHDNQYSACTEPWTRLNVRDKLDKV 416  
Db 62 VGDKAKWTIGVEDSVCRKGGVTSAPONGFMAVS.WYKEYWALTSPMTALPLRLTPQLRV 121  
QY 417 GVFLDYDQGLLIFYNADMSWLYTF-REKFPKGLCSYSPGOSHANGKNVQPLRI 470  
Db 122 GIFLDYDAGEVSFYNVNTERCHTFTFSHATFCGPVRPYFS--LSYSGGKSAAPLII 174

RESULT 8  
US-09-910-174B-16  
; Sequence 16, Application US/09910174B  
; Patent No. 6630575  
; GENERAL INFORMATION:  
; APPLICANT: Coyle, Anthony J.  
; APPLICANT: Fraser, Christopher C.  
; APPLICANT: Manning, Stephen  
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7  
; TITLE OF INVENTION: Family and Uses Thereof  
; FILE REFERENCE: 35800/236924 US/09/910,174B  
; CURRENT FILING DATE: 2001-07-20  
; PRIOR APPLICATION NUMBER: US 09/620,461  
; PRIOR FILING DATE: 2000-07-20  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 16  
; LENGTH: 584  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-910-174B-16

Query Match 13.5%; Score 339; DB 4; Length 584;  
Best Local Similarity 37.1%; Pred. No. 2.8e-23;  
Matches 83; Conservative 41; Mismatches 82; Indels 18; Gaps 6;  
QY 226 QEGAQILQERLAETDRHTFLAGVA-----SLSERLKGKIHETNLTLYEDPPTSKYTGPLQ 279  
Db 273 QQKEKIALSRETEREREMKEMGYAETEQISLREKQEELKWKIKYQ-----MARGEKSLA 328  
QY 280 YTIWK-SLFQDIHPVPAALTLDPGTAHQRLILSDCTIVAYGNLHPQLQDSPKRFDVEV 338  
Db 329 YHEWKMALEF-----PADVILDPDTANAILVSEDQORSVQRAE-EPRDLDPNPERFEWRY 382  
QY 339 SVLGSEAFSSGVHYMEWVVAEKTQWVIGLAHEAASR-KGSIQIQPSRGFYCIVMHDNQY 397  
Db 383 CVLGCENFTSGRHYWEVEVGDREKWHIGVCSKNVERKKGWVMTPENGYWTWGLTDGKNY 442  
QY 398 SACTEPWTRLNVRDKLDKVGVFLDYDQGLLIFYNADMSWLYTF 441  
Db 443 RALTEPRTNLKLPPEPRKVGIFLDYETGETSIFYNATDGSHTYTF 486

RESULT 9  
US-09-620-461-16  
; Sequence 16, Application US/09620461  
; Patent No. 6635750  
; GENERAL INFORMATION:  
; APPLICANT: Coyle, Anthony J.  
; APPLICANT: Fraser, Christopher C.  
; APPLICANT: Manning, Stephen  
; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7  
; TITLE OF INVENTION: Family and Uses Thereof  
; FILE REFERENCE: 5800-149  
; CURRENT APPLICATION NUMBER: US/09/620,461  
; CURRENT FILING DATE: 2000-07-20  
; NUMBER OF SEQ ID NOS: 29  
; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 16  
; LENGTH: 584  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-620-461-16

Query Match 13.5%; Score 339; DB 4; Length 584;  
Best Local Similarity 37.1%; Pred. No. 2.8e-23;  
Matches 83; Conservative 41; Mismatches 82; Indels 18; Gaps 6;  
QY 226 QEGAQILQERLAETDRHTFLAGVA-----SLSERLKGKIHETNLTLYEDPPTSKYTGPLQ 279  
Db 273 QQKEKIALSRETEREREMKEMGYAETEQISLREKQEELKWKIKYQ-----MARGEKSLA 328  
QY 280 YTIWK-SLFQDIHPVPAALTLDPGTAHQRLILSDCTIVAYGNLHPQLQDSPKRFDVEV 338  
Db 329 YHEWKMALEF-----PADVILDPDTANAILVSEDQORSVQRAE-EPRDLDPNPERFEWRY 382  
QY 339 SVLGSEAFSSGVHYMEWVVAEKTQWVIGLAHEAASR-KGSIQIQPSRGFYCIVMHDNQY 397  
Db 383 CVLGCENFTSGRHYWEVEVGDREKWHIGVCSKNVERKKGWVMTPENGYWTWGLTDGKNY 442  
QY 398 SACTEPWTRLNVRDKLDKVGVFLDYDQGLLIFYNADMSWLYTF 441  
Db 443 RALTEPRTNLKLPPEPRKVGIFLDYETGETSIFYNATDGSHTYTF 486

RESULT 10  
US-09-486-147-35  
; Sequence 35, Application US/09486147  
; Patent No. 6627745  
; GENERAL INFORMATION:  
; APPLICANT: The Government of the United States of America, as  
; APPLICANT: represented by the Secretary, Department of Health and Human  
; APPLICANT: Services  
; APPLICANT: Daniel L. Kastner  
; APPLICANT: Ivona Aksentijevich  
; APPLICANT: Michael Centola  
; APPLICANT: Zuoming Deng  
; APPLICANT: Raman Sood  
; APPLICANT: Francis S. Collins  
; APPLICANT: Trevor Blake  
; APPLICANT: P. Paul Liu  
; APPLICANT: Deborah Gumucio  
; APPLICANT: Robert I. Richards  
; APPLICANT: Darrell O. Rieke  
; APPLICANT: No. 6627745man A. Doggett  
; APPLICANT: Moraechal Pras  
; TITLE OF INVENTION: IDENTIFICATION OF THE GENE CAUSING  
; TITLE OF INVENTION: FAMILIAL MEDITERRANEAN FEVER  
; FILE REFERENCE: 14014.0314U1  
; CURRENT APPLICATION NUMBER: US/09/486,147  
; CURRENT FILING DATE: 2000-08-07  
; PRIOR APPLICATION NUMBER: PCT/US98/17255  
; PRIOR FILING DATE: 1998-08-20  
; PRIOR APPLICATION NUMBER: 60/056,217  
; PRIOR FILING DATE: 1997-08-21  
; NUMBER OF SEQ ID NOS: 45  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 35  
; LENGTH: 184  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence./ No. 6627745e =  
; OTHER INFORMATION: Synthetic construct  
US-09-486-147-35

Query Match 13.4%; Score 335.5; DB 4; Length 184;  
Best Local Similarity 42.2%; Pred. No. 9.5e-24;  
Matches 73; Conservative 27; Mismatches 70; Indels 3; Gaps 3;  
QY 299 LDPGTAHQRLILSDCTIVAYGNLHPQLQDSPKRFDVEVSLGSEAFSSGVHYMEWVVA 358



Db 5 LDAETAYPNLIFSDKLSVRLGNKW-BRLPDGQRFDSCLIVLGSFSLGRRYVEVG 63  
QY 359 EKTOWVIGLAHEAASRKGSIQIOPSRGFCYIVMHDGNOYSACTEPWTRNLNVRDKLDKGV 418  
Db 64 DXTAWILGACKTSIRKGNWTLSPENGYVWVMKENEYQASSVPTRLLIKEPPKRGVI 123  
QY 419 FLDVQDQGLLIPYNADDSMLYTFRE-KFPQKLCGSYSPGSHANGKNOVPLRI 470  
Db 124 FVDYRGSISYVMVTARSHIYTFASCSFSGPLQPIFSPG-TRDGGKNTAPLTI 175

## RESULT 11

US-09-910-174B-18  
; Sequence 18, Application US/09910174B  
; Patent No. 6630575  
; GENERAL INFORMATION:  
; APPLICANT: Coyle, Anthony J.  
; APPLICANT: Fraser, Christopher C.  
; APPLICANT: Manning, Stephen  
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7  
; TITLE OF INVENTION: Family and Uses Thereof  
; FILE REFERENCE: 38800/236924  
; CURRENT APPLICATION NUMBER: US/09/910,174B  
; CURRENT FILING DATE: 2001-07-20  
; PRIOR APPLICATION NUMBER: US 09/620,461  
; PRIOR FILING DATE: 2000-07-20  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 18  
; LENGTH: 513  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-910-174B-18

Query Match 13.1%; Score 329; DB 4; Length 513;  
Best Local Similarity 34.1%; Pred. No. 2e-22;  
Matches 89; Conservative 40; Mismatches 86; Indels 46; Gaps 7;  
QY 202 ADTARTLTDI-----EOKVQYSQQLRKVQEGAIQLQELAEFTDRHTFLAGVA 249  
Db 250 AALARTLPVLLLLGGAGYFLWQOEKTKQFRKKRE--QELRENAVSTMKQEQSTRVK 307  
QY 250 SLSE-----RLKGKIHETNLTYEDFPTSKYTGLOQYTIW-KSLFQDIHPVPAALTLD 300  
Db 308 LLELRWRSIQYASRGERHSA-----YNEWKALFK-----PADVILD 345  
QY 301 PGTARHQLILSDCTIVAYGNLHPQLQDSPKRFDEVSVLGSEAFSSGVHYWEVVVAEK 360  
Db 346 PKTANPILLVSEDQORSVQRAK-EPQDLDPNPFNFHWHYCVLGCEFSISGRHYWEVEGDR 404  
QY 361 TQWVIGLAHEAASRKGSIQIOPSRGFCYIVMHDGNOYSACTEPWTRNLNVRDKLDKGVFL 420  
Db 405 KEWHIGVCSKNVQKGVKWTPENGFWTGLTDGKNKYRTLTPRTNLKLPKPKKGVFL 464  
QY 421 DYDOGLLIFYNADDSMLYTF 441  
Db 465 DYETGD-SFYNAVDSHIHTF 485

## RESULT 12

US-09-620-461-18  
; Sequence 18, Application US/09620461  
; Patent No. 6635750  
; GENERAL INFORMATION:  
; APPLICANT: Coyle, Anthony J.  
; APPLICANT: Fraser, Christopher C.  
; APPLICANT: Manning, Stephen  
; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7  
; TITLE OF INVENTION: Family and Uses Thereof  
; FILE REFERENCE: 5800-149  
; CURRENT APPLICATION NUMBER: US/09/620,461  
; CURRENT FILING DATE: 2000-07-20

; NUMBER OF SEQ ID NOS: 29  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 18  
; LENGTH: 513  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-620-461-18

Query Match 13.1%; Score 329; DB 4; Length 513;  
Best Local Similarity 34.1%; Pred. No. 2e-22;  
Matches 89; Conservative 40; Mismatches 86; Indels 46; Gaps 7;  
QY 202 ADTARTLTDI-----EOKVQYSQQLRKVQEGAIQLQELAEFTDRHTFLAGVA 249  
Db 250 AALARTLPVLLLLGGAGYFLWQOEKTKQFRKKRE--QELRENAVSTMKQEQSTRVK 307  
QY 250 SLSE-----RLKGKIHETNLTYEDFPTSKYTGLOQYTIW-KSLFQDIHPVPAALTLD 300  
Db 308 LLELRWRSIQYASRGERHSA-----YNEWKALFK-----PADVILD 345  
QY 301 PGTARHQLILSDCTIVAYGNLHPQLQDSPKRFDEVSVLGSEAFSSGVHYWEVVVAEK 360  
Db 346 PKTANPILLVSEDQORSVQRAK-EPQDLDPNPFNFHWHYCVLGCEFSISGRHYWEVEGDR 404  
QY 361 TQWVIGLAHEAASRKGSIQIOPSRGFCYIVMHDGNOYSACTEPWTRNLNVRDKLDKGVFL 420  
Db 405 KEWHIGVCSKNVQKGVKWTPENGFWTGLTDGKNKYRTLTPRTNLKLPKPKKGVFL 464  
QY 421 DYDOGLLIFYNADDSMLYTF 441  
Db 465 DYETGD-SFYNAVDSHIHTF 485

RESULT 13  
US-08-724-394A-5  
; Sequence 5, Application US/08724394A  
; Patent No. 5872237  
; GENERAL INFORMATION:  
; APPLICANT: Feder, John N.  
; APPLICANT: Kronmal, Gregory S.  
; APPLICANT: Lauer, Peter M.  
; APPLICANT: Ruddy, David A.  
; APPLICANT: Thomas, Winston  
; APPLICANT: Tsuchihashi, Zenta  
; APPLICANT: Wolff, Roger K.  
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el  
; TITLE OF INVENTION: Sequences and Antibodies thereto  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM: disk  
; MEDIUM TYPE: Floppy  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/724,394A  
; FILING DATE: 01-OCT-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fitts, Renee A.  
; REGISTRATION NUMBER: 35,136  
; REFERENCE/DOCKET NUMBER: 017957-000100  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-576-0200  
; TELEFAX: 415-576-0300  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:

```
/ LENGTH: 610 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: not relevant
/ TOPOLOGY: not relevant
/ MOLECULE TYPE: peptide
/ FEATURE:
/ NAME/KEY: Region
/ LOCATION: 1..610
/ OTHER INFORMATION: /note="BTF3"
US-08-724-394A-5

Query Match      12.8%; Score 321; DB 2; Length 610;
Best Local Similarity 34.7%; Pred. No. 1.5e-21;
Matches 82; Conservative 45; Mismatches 22; Indels 22; Gaps 8;

QY 218 YSQLEKQVEGAIIQER-----LAETDRH-TPLAGVASLSERLKGKIHETNLTIEDFP 270
DB 287 MFQQEKIALSRETEREREMKEMGYAATEQEISXXXXXXLREKLEBELKWKRIQY---- 342
QY 271 TSKYTGPIQYTTWK-SLPQDIHPVPAALTLDPGTAHQRLILSDDDCTIVAYGNLHPQP--- 326
DB 343 MARGEKSLAYHWMKALFK-----PADVILDPDTANAILVSEDQQRSVQRAE-EPRDXXX 396
QY 327 LODSPKRPDVEVSLGSEAFSSGVHYWVVAEKTQWVIGLAHAASR-KGSIQIOPSRG 385
DB 397 LPDNERFERWRYCVLGCENFTSGRIHYWEVEVDKKEWHIGVCSKNVERKKGWKMTFENG 456
QY 386 FYCIYVMDGNQVSACTEPWTRLNVRDKLDKGVGFVLDYDQGLLIFYNADDMSWLYTF 441
DB 457 YWTMGLTDGNKYRALTEPRTNLKLPEPRKVGIFLDYETGETSIFYNATDGSHTVTF 512

RESULT 14
US-09-910-174B-10
; Sequence 10, Application US/09910174B
; Patent No. 6630575
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
; FILE REFERENCE: 35800/236924
; CURRENT APPLICATION NUMBER: US/910,174B
; PRIOR FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-910-174B-10

Query Match      12.6%; Score 316.5; DB 4; Length 527;
Best Local Similarity 33.3%; Pred. No. 3.2e-21;
Matches 89; Conservative 38; Mismatches 93; Indels 47; Gaps 11;

QY 222 LRKVOGAQILQERLAETDRHTFLAGVASLSERLKGKIHETNLTIEDFPPTSKYTGPIQYT 281
DB 269 INKLQEKKILSGE-KEFERETREIALKELEKERVQKEELQVKRK-----LQEE 317
QY 282 I-WKSLFQDIHPVPAALTLDPGTAHQRLILSDDD-----CTIVAYGNLHPQLQDSPKRF 334
DB 318 LRWRTF--LHAVD--VVLDPDTAHPDLFLSEDRSVRCPPRHLGESVP----DNPERF 369
QY 335 DVEVSLGSEAFSSGVHYWVVAEKTQWVIGLAHAASRKGSIQIOPSRGYCIYVMDG 394
DB 370 DSQPCVLGRESFASGKHYYEVENVIEWTGVCRDSVERKGVLLIPQNGFWTLEMHKG 429
QY 395 NOYSACTEPWTRLNVRDKLDKGVGFVLDYDQGLLIFYNADDMSWLYT-----F 441
DB 430 -QYRAVSSPDRIPLKESLCRCVGFVLDYDYGADVSFYNMRRDRSHIYTCPSAFSPVVRPF 488
QY 442 R---EKFPKLCYFSPGQSHANGKV 465
DB 489 RLGCEDSPIFC-----PALTGANGVTV 511

Search completed: April 13, 2004, 10:45:10
Job time : 24 secs
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/ LENGTH: 610 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: not relevant
/ TOPOLOGY: not relevant
/ MOLECULE TYPE: peptide
/ FEATURE:
/ NAME/KEY: Region
/ LOCATION: 1..610
/ OTHER INFORMATION: /note="BTF3"
US-08-724-394A-5

Query Match      12.8%; Score 321; DB 2; Length 610;
Best Local Similarity 34.7%; Pred. No. 1.5e-21;
Matches 82; Conservative 45; Mismatches 22; Indels 22; Gaps 8;

QY 218 YSQLEKQVEGAIIQER-----LAETDRH-TPLAGVASLSERLKGKIHETNLTIEDFP 270
DB 287 MFQQEKIALSRETEREREMKEMGYAATEQEISXXXXXXLREKLEBELKWKRIQY---- 342
QY 271 TSKYTGPIQYTTWK-SLPQDIHPVPAALTLDPGTAHQRLILSDDDCTIVAYGNLHPQP--- 326
DB 343 MARGEKSLAYHWMKALFK-----PADVILDPDTANAILVSEDQQRSVQRAE-EPRDXXX 396
QY 327 LODSPKRPDVEVSLGSEAFSSGVHYWVVAEKTQWVIGLAHAASR-KGSIQIOPSRG 385
DB 397 LPDNERFERWRYCVLGCENFTSGRIHYWEVEVDKKEWHIGVCSKNVERKKGWKMTFENG 456
QY 386 FYCIYVMDGNQVSACTEPWTRLNVRDKLDKGVGFVLDYDQGLLIFYNADDMSWLYTF 441
DB 457 YWTMGLTDGNKYRALTEPRTNLKLPEPRKVGIFLDYETGETSIFYNATDGSHTVTF 512

RESULT 14
US-09-910-174B-10
; Sequence 10, Application US/09910174B
; Patent No. 6630575
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
; FILE REFERENCE: 35800/236924
; CURRENT APPLICATION NUMBER: US/910,174B
; PRIOR FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-910-174B-10

Query Match      12.6%; Score 316.5; DB 4; Length 527;
Best Local Similarity 33.3%; Pred. No. 3.2e-21;
Matches 89; Conservative 38; Mismatches 93; Indels 47; Gaps 11;

QY 222 LRKVOGAQILQERLAETDRHTFLAGVASLSERLKGKIHETNLTIEDFPPTSKYTGPIQYT 281
DB 269 INKLQEKKILSGE-KEFERETREIALKELEKERVQKEELQVKRK-----LQEE 317
QY 282 I-WKSLFQDIHPVPAALTLDPGTAHQRLILSDDD-----CTIVAYGNLHPQLQDSPKRF 334
DB 318 LRWRTF--LHAVD--VVLDPDTAHPDLFLSEDRSVRCPPRHLGESVP----DNPERF 369
QY 335 DVEVSLGSEAFSSGVHYWVVAEKTQWVIGLAHAASRKGSIQIOPSRGYCIYVMDG 394
DB 370 DSQPCVLGRESFASGKHYYEVENVIEWTGVCRDSVERKGVLLIPQNGFWTLEMHKG 429
QY 395 NOYSACTEPWTRLNVRDKLDKGVGFVLDYDQGLLIFYNADDMSWLYT-----F 441
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[illegible]

## ALIGNMENTS

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RESULT 1
US-09-927-091-3
; Sequence 3, Application US/09927091
; Patent No. US20020119541A1
; GENERAL INFORMATION:
; APPLICANT: KILLARY, ANN
; APPLICANT: LOTT, STEVE
; APPLICANT: CHANDLER, DAWN
; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1
; FILE REFERENCE: UTSC1651US
; CURRENT APPLICATION NUMBER: US/09/927,091
; CURRENT FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/227,560
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/225,033
; PRIOR FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 3826
; TYPE: DNA
; ORGANISM: Human
US-09-927-091-3

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	Query Match	100.0%;	Score 3826;	DB 9;	Length 3826;
	Best Local Similarity	100.0%;	Prod. No. 0;		
	Matches 3826;	Conservative	0;	Mismatches 0;	Indels 0; Gaps 0;
1	AGGCTCGCTGGACCGAAGCGGTGGCTGCTTAAGCTCGCGGGGTAAAGGGTTCGCGTGGG	60			
2	AGGCTCGCTGGACCGAAGCGGTGGCTGCTTAAGCTCGCGGGGTAAAGGGTTCGCGTGGG	60			
61	CCAGGGTTTGGGGCCGGGATCCGGCAGCTGACGGGGCCGGCAGCCCTCCCTCTCTCTGCC	120			
61	CCAGGGTTTGGGGCCGGGATCCGGCAGCTGACGGGGCCGGCAGCCCTCCCTCTCTCTGCC	120			
121	GGTCACAGCCAAATGACGGCTCGGCTGGCTGCCCTCCCGCCAGGATCCCATCCCA	180			

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on:      April 13, 2004, 11:31:13 ; Search time 1269 Seconds
              (without alignments)
              11310.553 Million cell updates/sec

Title:      US-09-927-091-3
Perfect score: 3826
SSequence:  1 aggtcgctgaccgaagc.....aaaaaaaaaaaaaaaaaaaa 3826

Scoring table:  IDENTITY_NUC
                  Gapop 10.0 , Gapext 1.0

Searched:      2475585 seqs, 1875730760 residues

Total number of hits satisfying chosen parameters:      4951170

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                  Maximum Match 100%
                  Listing first 45 summaries

Database:      Published Applications DB.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	3826	100.0	3826	9	US-09-927-091-3	Sequence 3, Appli
2	2332.2	60.7	23433	9	US-09-927-091-7	Sequence 7, Appli
3	2308.6	60.3	30676	9	US-09-927-091-8	Sequence 8, Appli
4	2252.8	58.9	30625	9	US-09-927-091-5	Sequence 5, Appli
5	995.8	26.0	45845	9	US-09-927-091-6	Sequence 6, Appli
6	838.6	21.9	49744	9	US-09-927-091-4	Sequence 4, Appli
7	609.6	15.9	610	15	US-10-027-633-100265	Sequence 100265,
8	562	14.7	573	9	US-09-964-761-7231	Sequence 7231, Ap
9	451	11.3	431	9	US-09-964-761-23962	Sequence 23962, A
10	160.2	4.2	2045	15	US-10-094-743-1859	Sequence 1859, Ap
11	136.4	3.6	1394	9	US-09-764-868-418	Sequence 418, App
12	132.8	3.5	3038	15	US-10-120-988-277	Sequence 277, App
13	122.4	3.2	1904	15	US-10-104-047-103	Sequence 103, App
14	122	3.2	1739	9	US-09-731-872-225	Sequence 225, App
15	122	3.2	1739	10	US-09-876-997-225	Sequence 225, App





13739	DB	TGCCACACAGCGCCGAGGGACAGAGGGTGAGGGGTATATACCCAAAGCTGATGCAGAGCCCATTTAGC	13798
2749	QY	CTAAAAGCAACTGCAGGACAAAGCCCTCCCTGGATGATCGAGGTCCCACTAGCTCTGAACA	2808
13759	DB	CTAAAAGCAACTGCAGGACAAAGCTCCCTGGATGATCGAGGTCCCACTAGCTCTGAACA	13858
2809	QY	AGAGTCCAGCCAAACCCCTCTTCAGAGCCAGCCCTCTGTGACCTGCTAGGGTCAGAGAGCTTC	2868
13859	DB	AGAGTCCAGCCAAACCCCTCTTCAGAGCCAGCCCTCTGTGACCTGCTAGGGTCAGAGAGCTTC	13918
2869	QY	CAGAAGCAGTTGTTGTAAATTAGGACCCCAAGCACTGGGAGGGCTGTTGGCTAGACCCCTT	2928
13919	DB	CAGAAGCAGTTGTTGTAAATTAGGACCCCAAGCACTGGGAGGGCTGTTGGCTAGACCCCTT	13978
2929	QY	GTGAGACTTGGCACTATCTATCTCAGTTAGGATCTGCTGCAGAAAAACAAGAGCCCACTTGTAG	2988
13979	DB	GTGAGACTTGGCACTATCTATCTCAGTTAGGATCTGCTGCAGAAAAACAAGAGCCCACTTGTAG	14038
2989	QY	CTGGTTTAATTAGACAAGAGATTTACTACTGCGCCCTCGTGGCTTGCATAAAATTGTTGGAA	3048
14039	DB	CTGGTTTAATTAGACAAGAGATTTACTACTGCGCCCTCGTGGCTTGCATAAAATTGTTGGAA	14098
3049	QY	GAGCTGGAGAGAGACACTCTGCTGAATTTCCAGGAACCTCCAGCGCCAGATTCATCATCT	3108
14099	DB	GAGCTGGAGAGAGACACTCTGCTGAATTTCCAGGAACCTCCAGCGCCAGATTCATCATCT	14158
3109	QY	CTGTTGTACACAGGAAAGCTGCCCCCATCTGCAGGAAGCCACTATGCCAGAAAGTCTGCTG	3168
14159	DB	CTGTTGTACACAGGAAAGCTGCCCCCATCTGCAGGAAGCCACTATGCCAGAAAGTCTGCTG	14218
3169	QY	ACTGCAGAACTTAGGCTCCCTCTGCACAGGTCGGTCCAGCCAAATAGATGCTCTGAGGCT	3228
14219	DB	ACTGCAGAACTTAGGCTCCCTCTGCACAGGTCGGTCCAGCCAAATAGATGCTCTGAGGCT	14278
3229	QY	GCCCTCTCCCACTTCACTCAGTTCGCCAAATCTAAATTTTACAAGAGATTCGTGTTGGG	3288
14279	DB	GCCCTCTCCCACTTCACTCAGTTCGCCAAATCTAAATTTTACAAGAGATTCGTGTTGGG	14338
3289	QY	GGAACTTAAGTCAGATCCAGAAACCTTGGCTGCAAGGGAGTCTGGGAAATGCTATTCCT	3348
14339	DB	GGAACTTAAGTCAGATCCAGAAACCTTGGCTGCAAGGGAGTCTGGGAAATGCTATTCCT	14398
3349	QY	AGAGGAGTATAGGTTGGGTGAGCAAGCCCACTGCGTTTTTCTGCCACAGCATCCCAA	3408
14399	DB	AGAGGAGTATAGGTTGGGTGAGCAAGCCCACTGCGTTTTTCTGCCACAGCATCCCAA	14458
3409	QY	TGCTGAAGAACTCGGAGAGGGTGGAGTCCACATCTAGGGTGTCTGCTGCCCTTGCTCT	3468
14459	DB	TGCTGAAGAACTCGGAGAGGGTGGAGTCCACATCTAGGGTGTCTGCTGCCCTTGCTCT	14518
3469	QY	ATCCCTGCCAGAGTGGGAACTGGAGGAGTGGGCTGCAAGCTGAGCTTAATGTCTCC	3528
14519	DB	ATCCCTGCCAGAGTGGGAACTGGAGGAGTGGGCTGCAAGCTGAGCTTAATGTCTCC	14578
3529	QY	CCGGCCCTGACATTTCTTTCTAGTCTCGGGGCTTAGATTCGCACTTGGGCTCTGTGACA	3588
14579	DB	CCGGCCCTGACATTTCTTTCTAGTCTCGGGGCTTAGATTCGCACTTGGGCTCTGTGACA	14638
3589	QY	CAACACACATCCCAAGTAGCCGGAAGAGCTTAAACACAGGGGGTCTTAAATGGCTGC	3648
14639	DB	CAACACACATCCCAAGTAGCCGGAAGAGCTTAAACACAGGGGGTCTTAAATGGCTGC	14698
3649	QY	CCCGGCCACCCGGGCTCCCTTGGGCAAAAGAAATGTGAGCCCTACCCCAACCCCTCAA	3708
14699	DB	CCCGGCCACCCGGGCTCCCTTGGGCAAAAGAAATGTGAGCCCTACCCCAACCCCTCAA	14758
3709	QY	CTACCGAGATCTGGGCCACCCGAGCAGTATTTTATTTAAATGTTGCCATTTATGAG	3768
14759	DB	CTACCGAGATCTGGGCCACCCGAGCAGTATTTTATTTAAATGTTGCCATTTATGAG	14818
3769	QY	TTATGATCAATTGTATTAATTAATTAAGTTACAGATGTCA	3807
14819	DB	TTATGATCAATTGTATTAATTAATTAAGTTACAGATGTCA	14857











Db 24464 CTTCCCGCTCAGGATCTCCGTCCTCAGCCGCTCAGAGCTCTCCAGCGCCCATCGCC 24523  
QY 361 TTGAGCTGCCACTACCTCTAGACTGCTCCCGGGCTGGCTCCCAACGAGTCTCAGCC 420  
Db 24524 TTGAGCTGCCACTACCTCTAGACTGCTCCCGGGCTGGCTCCCAACGAGTCTCAGCC 24583  
QY 421 GGGACACCTTCTCTGCGCTTACCTCTCTCGGACAGACCCCTCTCTCTCCGCTAGC 480  
Db 24584 GGGACACCTTCTCTGCGCTTACCTCTCTCGGACAGACCCCTCTCTCTCCGCTAGC 24643  
QY 481 TCTTACCTCCCTGCTGCGGCTCTCTGCTCCCGCGCCAGCCCTCGGTGCTGCTCCGACA 540  
Db 24644 TCTTACCTCCCTGCTGCGGCTCTCTGCTCCCGCGCCAGCCCTCGGTGCTGCTCCGACA 24703  
QY 541 GGGCGGCTCTCTCAGCGGCTCTCTGCTCCCGCGCCAGCCCTCGGTGCTGCTCCGCTGCG 600  
Db 24704 GGGCGGCTCTCTCAGCGGCTCTCTGCTCCCGCGCCAGCCCTCGGTGCTGCTCCGCTGCG 24762  
QY 601 GCGATGGCTCAGGCTCAAGGACGAGTGTGTCTCTCTGCTCTCTGCTGCTGCTGCTGCTGCT 660  
Db 24763 GCGATGGCTCAGGCTCAAGGACGAGTGTGTCTCTCTGCTCTCTGCTGCTGCTGCTGCTGCT 24822  
QY 661 GAGCGGCTGAGCTGGCTGGAGCTACTTCTGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720  
Db 24823 GAGCGGCTGAGCTGGCTGGAGCTACTTCTGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 24882  
QY 721 GTGCGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAG 780  
Db 24883 GTGCGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAG 24942  
QY 781 CCGCGCTGCGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCT 840  
Db 24943 CCGCGCTGCGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCT 25002  
QY 841 GTGAGCGCTTCTCTCAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCT 900  
Db 25003 GTGAGCGCTTCTCTCAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCT 25062  
QY 901 AGCTCTTCTCTCAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAG 960  
Db 25063 AGCTCTTCTCTCAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAG 25122  
QY 961 CACGAGCAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTACAG 1011  
Db 25123 CACGAGCAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTACAG 25173

## RESULT 6

US-09-927-091-4  
; Sequence 4, Application US/09927091  
; Patent No. US20020119541A1  
; GENERAL INFORMATION:  
; APPLICANT: KILLARY, ANN  
; APPLICANT: LOTT, STEVE  
; APPLICANT: CHANDLER, DAWN  
; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1  
; FILE REFERENCE: UTSC:651US  
; CURRENT APPLICATION NUMBER: US/09/927,091  
; CURRENT FILING DATE: 2001-08-09  
; PRIOR APPLICATION NUMBER: 60/227,560  
; PRIOR FILING DATE: 2000-08-23  
; PRIOR APPLICATION NUMBER: 60/225,033  
; PRIOR FILING DATE: 2000-08-10  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 49744  
; TYPE: DNA  
; ORGANISM: Human  
US-09-927-091-4

Query Match 21.9%; Score 838.6; DB 9; Length 49744;  
Best Local Similarity 93.5%; Pred. No. 2.2e-218;

Matches 951; Conservative 0; Mismatches 59; Indels 7; Gaps 7;  
QY 1 AGGCTGGCTGGACCGAGCGGTGGCTGCTAAGCTCGCGGGGTAAAGGGTGGCTCGG 60  
Db 34306 AGGCTGGCTGGACCGAGCGGTGGCTGCTAAGCTCGCGGGGTAAAGGGTGGCTCGG 34365  
QY 61 CAGGGTTTGGGGCGGGGATCCGGAGCTGAGGGGCGGGACCCCTCTCTCTCTCTCT 120  
Db 34366 CCA-GGTTTGGGGCGGGGATCCGGAGCTGAGGGGCGGGACCCCTCTCTCTCTCTCT 34424  
QY 121 GGTACACAGCAATGTACGGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180  
Db 34425 GGTACACACCAATGTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 34484  
QY 181 GCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240  
Db 34485 GGTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 34544  
QY 241 CCGGCTCCGGGATCCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300  
Db 34545 CCGGCTCCGGGATTCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 34604  
QY 301 CTTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 357  
Db 34605 CTTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 34664  
QY 358 GCC-TTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 415  
Db 34665 GCCTTTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 34724  
QY 416 CAGCGGCGGACCCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 475  
Db 34725 CAGCGGCGGACCCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 34784  
QY 476 GTAGCTCTTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 535  
Db 34785 GTAGCTCTTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 34844  
QY 536 CAGCGGCGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 594  
Db 34845 CAGCGGCGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 34904  
QY 595 CTTGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 654  
Db 34905 CTTGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 34964  
QY 655 TACCGAGCCCGGCTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 714  
Db 34965 TACCGAGCCCGGCTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 35024  
QY 715 CACTGGTGGCGAGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 774  
Db 35025 CACTGGTGGCGAGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 35084  
QY 775 GCGAGCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 834  
Db 35085 GCGAGCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 35144  
QY 835 TTCCCGCTGAGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 894  
Db 35145 TTCCCGCTGAGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 35204  
QY 895 AAGGTCAAGCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 954  
Db 35205 AAGGTCAAGCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 35264  
QY 955 GCACTGCAAGGAGGAGGATCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1011  
Db 35265 GCACTGCAAGGAGGAGGATCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 35321

RESULT 7  
US-10-027-632-100265/c

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; Sequence 100265, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: RastSeq for Windows Version 4.0
; SEQ ID NO 100265
; LENGTH: 610
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-100265

Query Match          15.9%; Score 609.6; DB 15; Length 610;
Best Local Similarity 99.8%; Pred. No. 1.5e-156;
Matches 609; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2345 CCAGTGTCTCCCTCCAGCCAGCCCTGACCTCAGGAAGTGTGACAGCATGCGCCAGTAGTT 2404
Db 610 CCAGTGTCTCCCTCCAGCCAGCCCTGACCTCAGGAAGTGTGACAGCATGCGCCAGTAGTT 551

QY 2405 GCGAGCCCGAAGACACACAGCACACCTCTTATGTCCTTACCTTACCTTACCTTACCTTAC 2464
Db 550 GCGAGCCCGAAGACACACAGCACACCTCTTATGTCCTTACCTTACCTTACCTTACCTTAC 491

QY 2465 CAAGTAGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2524
Db 490 CAAGTAGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 431

QY 2525 GGTCTAGGTTGCTGAGAGCCAACTCTCTCTGCGCACTCTCTCTGCGCACTCTCTCTGCG 2584
Db 430 GGTCTAGGTTGCTGAGAGCCAACTCTCTCTGCGCACTCTCTCTGCGCACTCTCTCTGCG 371

QY 2585 TTCTTACTTCTCCCACTCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2644
Db 370 TTCTTACTTCTCCCACTCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 311

QY 2645 TGGTAGTTGAGTCCACATTATAGTCATGTCACCACTCTCTCTGCGCACTCTCTCTGCG 2704
Db 310 TGGTAGTTGAGTCCACATTATAGTCATGTCACCACTCTCTCTGCGCACTCTCTCTGCG 251

QY 2705 GACAGGTTGAGGTTATACCAAGTGTGATGATGATGATGATGATGATGATGATGATGAT 2764
Db 250 GACAGGTTGAGGTTATACCAAGTGTGATGATGATGATGATGATGATGATGATGATGAT 191

QY 2765 GACAAAGCTTCCCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2824
Db 190 GACAAAGCTTCCCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 131

QY 2825 TCTTACGAGCCGCTCTGACCTCTGAGGTCAGGAGGTCAGGAGGTCAGGAGGTCAGGAGG 2884
Db 130 TCTTACGAGCCGCTCTGACCTCTGAGGTCAGGAGGTCAGGAGGTCAGGAGGTCAGGAGG 71

QY 2885 AATTAGGACCCAAAGACACTGGAGGGGCTGTTGGCTAGACCCCTTGTGACACTTGGCATCT 2944
Db 71 AATTAGGACCCAAAGACACTGGAGGGGCTGTTGGCTAGACCCCTTGTGACACTTGGCATCT 2944
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Db 70 AATTAGGACCCAAAGACACTGGAGGGGCTGTTGGCTAGACCCCTTGTGACACTTGGCATCT 11
QY 2945 ATCTCAGTTA 2954
Db 10 ATCTCAGTTA 1

RESULT 8
US-09-864-761-7231/c
; Sequence 7231, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
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; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 4917
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 7231
; LENGTH: 573
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC02262.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.8
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 4.2
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.5
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 4.6
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 4.2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 4.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.2
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US-09-864-761-7231

Query Match 14.7%; Score 562; DB 9; Length 573;  
Best Local Similarity 99.8%; Pred. No. 1.7e-143;  
Matches 573; Conservative 0; Mismatches 0; Indels

QY	1602	CTTCGATGTGAGAGTGTGCGTGTGGGTTCTGAAGCCTTCACTAGTGTGGCGTCCACTACTG	1661
DB	573	CTTCGATGTGAGAGTGTGCGTGTGGGTTCTGAAGCCTTCACTAGTGTGGCGTCCACTACTG	514
QY	1662	GGAGTGTGTGTGGCGAGAGAACCCAGTGGGTGATCGGCTTGGCACAGAAGCGCAAG	1721
DB	513	GGAGTGTGTGTGGCGAGAGAACCCAGTGGGTGATCGGCTTGGCACAGAAGCGCGAAG	454
QY	1722	CGCGAAGGGCAGCATCCAGATCCAGCCAGCCCGCGCTTCTACTGCTGATGTGATGCACGA	1781
DB	453	CGCGAAGGGCAGCATCCAGATCCAGCCAGCCCGCGCTTCTACTGCTGATGTGATGCACGA	394
QY	1782	TGGCAACCAAGTACAGCGCTTGCA CGAGCCCTGGAGCGGCTTAACTGTCGGGGACAAAGCT	1841
DB	393	TGGCAACCAAGTACAGCGCTTGCA CGAGCCCTGGAGCGGCTTAACTGTCGGGGACAAAGCT	334
QY	1842	TGACAGSTGGGTGTCTCTGGACTATGACCAAGCTTGTCTATCTTCTCAATGTCTGA	1901
DB	333	TGACAGSTGGGTGTCTCTGGACTATGACCAAGCTTGTCTATCTTCTCAATGTCTGA	274
QY	1902	TGACATGTCTTGGGTCTACACTTTCGCGAGAAAGTTCCCTGGCAAGCTCTGCTCTTACTT	1961
DB	273	TGACATGTCTTGGGTCTACACTTTCGCGAGAAAGTTCCCTGGCAAGCTCTGCTCTTACTT	214
QY	1962	CAGCCCTGGCAGAGCCAGCCCAATGCGAGAACGTTCCAGCGCTGGGATTCACACCGT	2021
DB	213	CAGCCCTGGCAGAGCCAGCCCAATGCGAGAACGTTCCAGCGCTGGGATTCACACCGT	154
QY	2022	CGCATCTAGTCCAGGCAGAGGAGACCAACCTCTCTGGGACCACTGCCACCTTGCACGA	2081
DB	153	CGCATCTAGTCCAGGCAGAGGAGACCAACCTCTCTGGGACCACTGCCACCTTGCACGA	94
QY	2082	GCCCTGCCAGGAGATAGAGACTCTGGCTCCAGCCCACTGCGGCACTGGAGACTCA	2141
DB	93	GCCCTGCCAGG-AGATAGAGACTGGACTCCAGCCCACTGCGGCACTGGAGACTCA	35
QY	2142	GGCCAGTTGTTTACCCTCCAGCTCCAGTCTGTA	2175
DB	34	GGCCAGTTGTTTACCCTCCAGCTCCAGTCTGTA	1

## RESULT 9

US-09-864-761-23962/c

; Sequence 23962, Application US/09864761  
: Patent No. US20020048753A1

Patent No. US20020048763A1  
; GENERAL INFORMATION:

APPLICANT: penn, sh

APPLICANT: Rank, David R.

APPLICANT: HANZEL, DAVID K

APPLICANT: Chen, Wensheng

;; TITLE OF INVENTION: HUMAN GENE	;; TITLE OF INVENTION: GENE
1. A human gene having a nucleotide sequence as set forth in SEQ. ID NO. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825,	

; FILE REFERENCE: Aeomica-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761

; CURRENT FILING DATE: 2001-05-23  
 ;  
 : PRIOR PUBLICATION NUMBER: US 50/180 313

;; PRIOR APPLICATION NUMBER: US 607-  
: PRIOR FILING DATE: 2000-02-04

; PRIORITY FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US

; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB

; PRIOR APPLICATION NUMBER: GB  
 ; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US

;  
PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT

; PRIOR FILING DATE: 2001-01-30

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1 PRIOR APPLICATION NUMBER: PCT/US01/00667
2 PRIOR FILING DATE: 2001-01-30
3 PRIOR APPLICATION NUMBER: PCT/US01/00664
4 PRIOR FILING DATE: 2001-01-30
5 PRIOR APPLICATION NUMBER: PCT/US01/00669
6 PRIOR FILING DATE: 2001-01-30
7 PRIOR APPLICATION NUMBER: PCT/US01/00665
8 PRIOR FILING DATE: 2001-01-30
9 PRIOR APPLICATION NUMBER: PCT/US01/00668
10 PRIOR FILING DATE: 2001-01-30
11 PRIOR APPLICATION NUMBER: PCT/US01/00663
12 PRIOR FILING DATE: 2001-01-30
13 PRIOR APPLICATION NUMBER: PCT/US01/00662
14 PRIOR FILING DATE: 2001-01-30
15 PRIOR APPLICATION NUMBER: PCT/US01/00661
16 PRIOR FILING DATE: 2001-01-30
17 PRIOR APPLICATION NUMBER: PCT/US01/00670
18 PRIOR FILING DATE: 2001-01-30
19 PRIOR APPLICATION NUMBER: US 60/234,687
20 PRIOR FILING DATE: 2000-09-21
21 PRIOR APPLICATION NUMBER: US 09/608,408
22 PRIOR FILING DATE: 2000-06-30
23 PRIOR APPLICATION NUMBER: US 09/774,203
24 PRIOR FILING DATE: 2001-01-29
25 NUMBER OF SEQ ID NOS: 4317
26 SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
27 SEQ ID NO 23962
28 LENGTH: 431
29 TYPE: DNA
30 ORGANISM: Homo sapiens
31 FEATURE:
32 OTHER INFORMATION: MAP TO AC02262.3
33 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.8
34 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 4.2
35 OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.9
36 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.5
37 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 4.6
38 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 4.2
39 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 4.1
40 OTHER INFORMATION: EXPRESSED IN ADULT, SIGNAL = 3.2
41 OTHER INFORMATION: EST HUMAN HIT: B315402.1, EVALU0.00e+00
42 OTHER INFORMATION: SWISSPROT HIT: Q02084, EVALU0.00e+00
43 OTHER INFORMATION: NT HIT: G11423970, EVALU0.00e+00
44 US-09-864-761-23962
45

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Query Match 11.3%; Score 431; DB 9; Length 431;  
Best Local Similarity 100.0%; Pred. No. 1.3e-107;  
Matches 431; Conservative 0; Mismatches 0; Indels

Qy	1643	GTATGGCGTCCACTACTTGGAGGTTGGTGGTGGCGAGAACCCAGTGGGTGATCGGGC	1702
Db	431	GTATGGCGTCCACTACTTGGAGGTTGGTGGTGGCGAGAACCCAGTGGGTGATCGGGC	372
Qy	1703	TGGCACACGAACCGCGCAAGCCGCAAGGGGAGCATCCAGATCCAGCCACCGCGGGCTTCT	1762
Db	371	TGGCACACGAACCGCGCAAGCCGCAAGGGGAGCATCCAGATCCAGCCACCGCGGGCTTCT	312
Qy	1763	ACTGCATCGTATGCATGCGAATGGCAACCACTAGCGCTTGACCGAGCCTTGACCGGGC	1822
Db	311	ACTGCATCGTATGCATGCGAATGGCAACCACTAGCGCTTGACCGAGCCTTGACCGGGC	252
Qy	1823	TTAAGCTCCGGGCAACAGCTTGAACAAGTGGGTGTCTTCTCGACTATGACCAAGGCTTGC	1882
Db	251	TTAAGCTCCGGGCAACAGCTTGAACAAGTGGGTGTCTTCTCGACTATGACCAAGGCTTGC	192
Qy	1883	TCATCTTCTCAATGCTGATGACATGCTCGTGCTCTACACCTTCGGCGAGAGTTCCCTG	1942
Db	191	TCATCTTCTCAATGCTGATGACATGCTCGTGCTCTACACCTTCGGCGAGAGTTCCCTG	132
Qy	1943	GCAAGCTCTGCTTACTTTCAGCCCTGGCGAGAGCCAGCCAATGGCAAGAACTTCAGC	2002
Db	131	GCAAGCTCTGCTTACTTTCAGCCCTGGCGAGAGCCAGCCAATGGCAAGAACTTCAGC	72

	2003	2063	2073	2062
Qy	CGCTGCGGATCAACACCGTCCGGCATCTAGTCCAGGAGAGGACACCAACCTCTCTGGG			
Db	71 CGCTGCGGATCAACACCGTCCGGCATCTAGTCCAGGAGAGGACACCAACCTCTCTGGG			12
Qy		2063	ACCACTGCCAC	2073
Db	11		ACCACTGCCAC	1

## RESULT 10

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US-10-094-749-1459
; Sequence 1459, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094, 749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1459
; LENGTH: 2045
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-094-749-1459

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Query Match	4.2%	Score 160.2	DB 15	Length 2045	
Best Local Similarity	48.9%	Pred. No. 6.8e-33			
Matches 663	Conservative	0	Mismatches 648	Indels 44	Gaps 7
Qy	616	CTCAGGACGAGCTGCTGTGCTCATCTGCTGAGCATCTACAGAGACCGGTGAGCCGTG	675		
Db	229	CTGAGGACCGGCTTCAGTGTCCCATCTGCTGTGAGGTCTTCAAGAGACCCCTGATGTG	288		
Qy	676	GGTGTGAGCAGCTACTTCTTGGCGCGGTGTGATCAGGAGCAGCTGGGTGGCGAGAGGGG	735		
Db	289	CAGTGTGGCCACTTTACTTGCAGGGCTGCTGTTTCCCTGCTCTGCACCTGGATGCC	348		
Qy	736	CAGGGGCGCCGCGATGTCGCCGAGTGC CGGCGCAGCTTCGCCAGAGCCCGCTGGCGCCC	795		
Db	349	GAG-----CTGCGCTGCCCGGTGTGCCGGCAGCGGTGGATGGCAGCAGCTCCCTGGCC	402		
Qy	796	AGCCTCAGCTGGCCAAACATCGTGGAGGGCTACAGCTCTTCCCGTGTGAGCGCATCCTC	855		
Db	403	AACGCTCTCCCTGGCCAGGGTGATCGAAGCCCTGAGG--CTCCCTTGGGAGCCCGGAGCCCA	460		
Qy	856	AACGGCGCGCGCGCGCGACCTGCGCAGCGCACAGAGTCAAGGTCTTCTTGCCTCTC	915		
Db	461	AGGTCTGCGTGCACCAACCGGAACCGC-----TCAGCCTTTCTTGCAG	504		
Qy	916	ACGGACCGCGCGCTTCTCTGCTTCTTCTTGGGAGAGCGCTGCATCGACAGCAGCATCAG	975		

RESULT 11

```
US-09-764-868-418
; Sequence 418, Application US/09764868
; Patent No. US2002016871A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ32
; CURRENT APPLICATION NUMBER: US/09/764,868
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 418
; LENGTH: 1394
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-418

Query Match      3.6%; Score 136.4; DB 9; Length 1394;
Best Local Similarity 54.9%; Pred. No. 1.9e-26;
Matches 269; Conservative 0; Mismatches 221; Indels 0; Gaps 0;

QY 1482 GCACGCGCCCTAACCCCTGACCGGGGACAGCCGACAGCCGAGGCTGATCTGTGCGACGA 1541
Db      |||
QY 45   GCCAGCGGATGTGACCCCTGACCCCTGAGACAGCTCATCTTAACCTAGTCTGTGACAGGA 104
Db      |||
QY 1542 CTGCACCATTTGTGCTTACGGCAACTTGCACCCACAGCCACTGCAGGACTTCGCCAAAGCG 1601
Db      |||
QY 105   TCGTAAGAGCGTCAAGTTCTGTGAGACAAGACTCCGGGATCTCCCTGACACACCAAGCG 164
Db      |||
QY 1602 CTTGATGTGGAAGTGTGCGTGTGCTGAGTTCTGAAGCCCTTCAGTAGTGGGCTCAGTACTG 1661
Db      |||
QY 165   TTTTACCTTCTACCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 224
Db      |||
QY 1662 GGAGGTGGTGTGCGGAGAGACCCAGTGGGTGATGCGGCTGGCACAGCCGCAAG 1721
Db      |||
QY 225   GGAGGTGGAGTGGGCGACAGACCCACTGGGAGTGGGTGATGCGGAGTCCGTGAG 284
Db      |||
QY 1722 CCGCAAGGCGAGCATCCAGATCCAGCCGCGGCTTCTACTGATCGTGAACCGA 1781
Db      |||
QY 285   CCGAAAGGCGAGTTGACTCCACTCCCTGAGACTGGTCTGCGGGTGGGCTATGGA 344
Db      |||
QY 1782 TGGCAACAGTACAGCCCTGACGGAGCCCTGGAGCGGCTTAAGCTCGGAGCAAGT 1841
Db      |||
QY 345   TGGGGGCAAAATATGACGCCACACCAACCTTTTACCCCTTTCACATCAAGTGAACC 404
Db      |||
QY 1842 TGACAAAGTGGGTGTCTTCTGGAATATGACCAAGGCTTGTCTCATCTTCTACAACTGA 1901
Db      |||
QY 405   CAAGCGGTAGGCATATTCCTAGACTATGAGCGGCGACACTGTCTTCTTACAACTGAC 464
Db      |||
QY 1902 TGACATGTCTGGCTTACACTTCCCGGAGAGTTCCTTGGCAAGCTCTGCTTACTT 1961
Db      |||
QY 465   AGACCGCTCTCATATCTACACCTTCACTGATATCTTTTACTGAGAACTTTGGCCCTCTT 524
Db      |||
QY 1962 CAGCCCTGGC 1971
Db      |||
QY 525   CTACCCAGGC 534
Db      |||

RESULT 12
US-10-120-988-277
; Sequence 277, Application US/10120988
; Publication No. US20030219745A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Goodrich, Ryle
; APPLICANT: Liu, Chenghua
; APPLICANT: Ren, Feiyun
; APPLICANT: Wang, Dunrui
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: NO. US20030219745A1 Nucleic Acids and
; FILE REFERENCE: Polypeptides
; FILE REFERENCE: 802CON

US-10-120-988-277
; Sequence 277, Application US/10120988
; Publication No. US20030219745A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Goodrich, Ryle
; APPLICANT: Liu, Chenghua
; APPLICANT: Ren, Feiyun
; APPLICANT: Wang, Dunrui
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: NO. US20030219745A1 Nucleic Acids and
; FILE REFERENCE: Polypeptides
; FILE REFERENCE: 802CON

US-09-927-091-3.rnpg
; CURRENT APPLICATION NUMBER: US/10/120,988
; CURRENT FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: 09/774,528
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 441
; SOFTWARE: pt FL_genes Version 2.0
; SEQ ID NO 277
; LENGTH: 3038
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1557)
US-10-120-988-277

Query Match      3.5%; Score 132.4; DB 15; Length 3038;
Best Local Similarity 54.5%; Pred. No. 3.6e-25;
Matches 265; Conservative 0; Mismatches 221; Indels 0; Gaps 0;

QY 1486 GCCGCGCCCTAACCCCTGGACCCCGGACAGCCGACAGCCGAGGCTGATCTGTGCGAGCTGC 1545
Db      |||
QY 1009 CGGATGTGACCCCTGGACCCCTGAGACAGCTCATCTTAACCTAGTCTGTGACAGAGATCGT 1068
Db      |||
QY 1546 ACCATTGTGGCTTAGGGCACTTGCACCCACAGCCACTGCGAGGACTCGCCAAAGCGTTTC 1605
Db      |||
QY 1069 AAGAGCGTCAAGTTCTGTGAGACAAGACTCCGGGATCTCCCTGACACACCAAGCGTTTC 1128
Db      |||
QY 1606 GATGTGAGGTGTGCGTGTGCTGGTCTTGAAGCCTTCAAGTGTGCGTCCACTACTGGGAG 1665
Db      |||
QY 1129 ACCITTCACCCCTTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1188
Db      |||
QY 1656 GTGTGTGTGGGAGAGAACCCAGTGGGTGATCGGGTGGCACAGCAAGCCGCAAGCGC 1725
Db      |||
QY 1189 GTGGAGGTGGGCGACAGACCCACTGGGCAAGTGGGTGATGCGGGGATCTCCGTGAGCCGA 1248
Db      |||
QY 1726 AAGGCGAGCATCCAGATCCAGCCGCGGCTTCTACTGATCGTGTGATGACGATGGC 1785
Db      |||
QY 1249 AAGGCGAGTGTGACTCCACTCCCTGAGACTGGCTGCTGCGGGTGGGCTATGGAATGG 1308
Db      |||
QY 1786 AACCAATGACGCGCTGACAGGAGCCCTGAGCGGCTTAACTGCGGAGCAAGCTTGAC 1845
Db      |||
QY 1309 GACAAATATGACGCCACCAACCCCTTTTACCCCTTTGACATCAAGGTGAACCCCAAG 1369
Db      |||
QY 1846 AAGTGGGTGTCTTCTGGAATATGACCAAGGCTTGTCTCATCTTCTACAATGCTGATGAC 1905
Db      |||
QY 1369 CGGTAGGCATATCTTACAGACTATGAGCGCGGACACTGTCTTCTACAATGTCACAGAC 1428
Db      |||
QY 1906 ATGTCTGTGCTTACACCTTCCGGAGAGTTCCTTGGCAAGCTTGTCTTCTTACTTACG 1965
Db      |||
QY 1429 CGCTCTCATATCTACACCTTCACTGATATCTTTTACTGAGAACTTTGGCCCTCTTCTAC 1489
Db      |||
QY 1966 CCTGGC 1971
Db      |||
QY 1489 CCAGGC 1494
Db      |||

RESULT 13
US-10-104-047-103
; Sequence 103, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NO. US20030236392A1el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 103
; LENGTH: 1904
; TYPE: DNA
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; ORGANISM: Homo sapiens  
US-10-104-047-103

Query Match 3.2%; Score 122.8; DB 15; Length 1904;

Best Local Similarity 45.7%; Pred. No. 1.2e-22; Mismatches 602; Indels 15; Gaps 2;

Matches 519; Conservative 0;

QY 893 ACAAGTCAAGTCTTCTGCTCAGGACCGCGCTTCTGCTTCTTCTGCGAGC 952  
DB 1 ACCCGTGAGCATCTACTCGAGCAGGACCGCGCTGCTGCGAGTGTGCGCTCAC 60

QY 953 CTGCACTGCAGAGCAGCATCAGGTACCGGCATCGACGACCCCTTCACAGCTGCAGA 1012  
DB 61 TCGGCTCGACCGCGGTCTACCTCTCTGCTGCGCGAGGCCACGACGCTTCAGA 120

QY 1013 GCGAGCTGAAGCAACCTTTCAGGCCCTTCAAGACAGCGAGCGGGAACACACCGAAGCGC 1072  
DB 121 CACAGCTGCCACAGAGAACTGCAGCTGCAGAGGCATGCTGCTAAGAGAGAGTG 180

QY 1073 TGCAGTGTCTAAGGACAACTTGGCGGAGACCAAGTCTTCCACCAAGAGCTTGGGACCA 1132  
DB 181 TGGCTGTCTGAGCATCAGCTGTGTGAGGTGGAGAGACAGTGTGCTCAGTTCGCGGGG 240

QY 1133 CTATCGCGAGGCTTTCAGCGGCTGCACCGCTGCTGCTGAACCGCAGAGGCCATGC 1192  
DB 241 CGTGGGGGAGCAGCTTGGCAAGATCGGGGTGTTCTGCTGCATGAGGGCTCTTGG 300

QY 1193 TAGAGAGCTGGAGCGGACACGGCCCGCACCTGACCGACATCGAGCAGAAAGTCCAGC 1252  
DB 301 ACCGCGAGGACAGCGTGTACGGGTGAGGCAGGGGTGCTTGGCGGGAGCTGGGA 360

QY 1253 GCTACAGCAGCAGCTGCCAAGTTCAGAGGGAGCCAGATCTGCGAGAGCGCTGG 1312  
DB 361 GCGTGAACCTTACCTTGGAGCAGCTGCGGCAGATGGAGAGGTCTGGAGGAGTGGCGG 420

QY 1313 CTGMAACCGACCGGACACCTTCTGCTGGGTGGCTCTCACTGCCAGCGGCTCAAGG 1372  
DB 421 ACAAGCCGACAGTGAAGTCTCTCAAGAAATCTGCTGTGACAGCGGCTGCAGAGA 480

QY 1373 GAAATATCATGAGACCAACTCATATGAAAGCTTCCGACCTCCAGATACAGGCC 1432  
DB 481 TCGTGCAGAGTCTCCCGACCGCGCTGAGACATCCAGCTGCCAATATCTCAGATG 540

QY 1433 CCTGCACTACCACTCTGAAAGTCTCTTCCAGGACATCCACCGAGTCCGAGCGGCC 1492  
DB 541 ACTTCAATTCAGGTGTGAGAGAGATGTTCCGGCTCTGATGCCGCTGGAGGAGC 600

QY 1493 TAACTTGAACCGGCGCAGCCACAGCGCTGATCTGCTGCGAGCGACTGCACATG 1552  
DB 601 TGACCTTGAACCGGAGCTCTGGCACCCGAGCGCTGCTGCTCTCTGCGCGCGCG 660

QY 1553 TGGCTTACCGCAACTTGCACCCACAGCACTGCAGACTCGCCAAAGCGCTTCGATGTGG 1612  
DB 661 TGGAGTGTCTCGGGGCAAGAGGCGCGCGCGCGGGAGGACCGCGCGCAGTTCGACAGG 720

QY 1613 AGGTGTGCTGTGGGTCTGAAGCTTCTAGTAGTGGCGTCCACTACTGGGAGGTGGTG 1672  
DB 721 CGTGTGGGTGTGGCGCACCGACAGCTCTCCGAGGGCGAGCACTACTGGAGGTGGATG 780

QY 1673 TGGCGAGAGAACCCAGTGGGTGATCGGGTGGCAACGAGCGGAGCCGAGCCAGGCA 1732  
DB 781 TTGGCAGAACGCGCGCTGGGCGCTGGGCGTGTATCGCGCGCGAGGCGCCCGCGGCG 840

QY 1733 GCATTCAGATCCAGCCCGCGGCTTCTACTGCACTGATGACAGATGGCA----- 1786  
DB 841 GCTTGCAGCGGTGCTCTGCAGGGCTGTGGCTGTCTGGGGCTGCGGAGGGCAAGATCC 900

QY 1787 ---ACCAGTACAGCGCTGCACCGAGCCCTGGACGGGCTTAACGTTCGGGCAAGCTTG 1843  
DB 901 TGGAGGCACACGTGGAGGCCCAAGAGCGCGCGCTCTGGCGAGCCCGGAGAGCGGCCCA 960

QY 1844 ACAAGTGGGTGTCTTCTGATATGACCAAGGCTTGCTCATCTTCTCAATGCTGATG 1903

DB 961 CGGCATTTGGCCTTTACCTGAGCTTCGGGAGCGGCTCTCTCTTCTACGATGCCAGCG 1020  
QY 1904 ACATGTCTGGCTCTACACCTT-----CGCGAGAAAGTTCCTGGCAAGCTCTGTCTT 1957  
DB 1021 AGCGGAGCGCTGTGCGCTTTTTCCTTCCAGGCGCTGCGCCAGCCCGTGTACC 1080  
QY 1958 ACTTACGCTTGGCCAGAGCCAGCCCAATGCGAAGACGTTACGCGCTCGGATC 2013  
DB 1081 CTTTCTTCGACGTGTGCTGGCAGCAAGGCAAGATGCCAGCGCTCTGCTC 1136

## RESULT 14

US-09-731-872-225  
; Sequence 225; Application US/09731872  
; Patent No. US20020102604A1  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, Jean Baptiste  
; APPLICANT: Bougueret, Lydie  
; APPLICANT: Jobert, Severin  
; TITLE OF INVENTION: FULL-LENGTH HUMAN cDNAs ENCODING POTENTIALLY SECRETED PROTEINS  
; FILE REFERENCE: 78.US3.REG  
; CURRENT APPLICATION NUMBER: US/09/731.872  
; CURRENT FILING DATE: 2000-12-07  
; PRIOR APPLICATION NUMBER: US 60/169,629  
; PRIOR FILING DATE: 1999-12-08  
; PRIOR APPLICATION NUMBER: US 60/187,470  
; PRIOR FILING DATE: 2000-03-06  
; NUMBER OF SEQ ID NOS: 482  
; SOFTWARE: Patent.pm  
; SEQ ID NO 225  
; LENGTH: 1739  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 171..1670  
US-09-731-872-225

Query Match 3.2%; Score 122; DB 9; Length 1739;

Best Local Similarity 51.9%; Pred. No. 1.9e-22;  
Matches 300; Conservative 0; Mismatches 275; Indels 3; Gaps 1;

QY 1419 CAAGTACAGAGCGCCCTGAGTACACCATCTGGAAGTCCCTGTTCCAGGACATCCACCC 1478  
DB 1070 CCAGTACAAAGTCTCTATCCAGTACATGATGATGAGGAAATGCAGGACATCTCTGCC 1129

QY 1479 AGTCCAGCGCCCTAACCTTACCGCCGCGGACAGCCACAGCGCTGATCTCTGTCGGA 1538  
DB 1130 AGGCTGTCTCCACTAACTCTGACCCCTAAACAGCTCACCCAAATCTGGTGTCTCAA 1189

QY 1539 CGACTGCACCATTTGGCTTACGGCAACTTGCACCCACAGCCACTGCAGGACTCGCCAA 1598  
DB 1190 AAGCCAAACAGCGCTGCGATGGTGACATTAAGA---AGATAATGCTGATGATCTCTGA 1246

QY 1599 GCGTTTCAGTGTGAGGTGCTGGTGTGGTTCGAGCTTCAGTAGTGGCGTCCACTA 1658  
DB 1247 GAGTCTTTCAGTCAAGTGTGCTGTACTGGGCTCAAGAGGCTTACCTCTGAAAGTGGTA 1306

QY 1659 CTGGAGGTGTGTGGTGGGAGAGACCCAGTGGGTGATCGGGCTGGGCACACGAGCGCG 1718  
DB 1307 CTGGAGGTAGAGTAGCAAGAGAGACAAATGACAGTTGGAGTTGTCAGAGAAATCCAT 1366

QY 1719 AAGCGCAAGGCGAGCATCCAGATCCAGCCAGCGCGGCTTCTACTGCACTGATGCA 1778  
DB 1367 CATTCGAAAGGCGAGCTGTCTCTAACTCTGAGCAAGGATTTGGGTTTTAAGACTAAG 1426

QY 1779 CGATGGCAACAGTACAGCGCTGCACGAGCCCTGCAGCGGCTTAACGTCGCGGACAA 1838  
DB 1427 GAACCAAACTGATCTAAGGCTCTGGATTTGGCTTTCTTCAGTCTGACACTGACTAACAA 1486

QY 1839 GCTTGCAGAGTGGGTGTCTTCTGAGATAGCAAGGCTTGTCTATCTTCTCAATGC 1898  
DB 1487 CCTCGAAGGTGGGCATATACCTGGATTATGAAGAGGAGCAGTTGTCTTCTCAATGC 1546

QY 1899 TGATGACATGCTCTGGCTCTACACCTTCGCGAGAGAGTTCCTCGGAAGCTCTGTCTTTA 1958  
DB 1547 TAAACCATGACTCAGCTTTACACCTTCAGTAACACCTTTCATGGAGAACTTTATCCCTA 1606  
QY 1959 CTTTCAGCCCTGGCCAGAGCCAGCAATGGCAAGACG 1996  
DB 1607 CTTTCGCCCTGCCTTAATGATGTTAGAGAGATTAAG 1644

## RESULT 15

US-09-876-997-225  
; Sequence 225, Application US/09876997  
; Publication No. US20030152921A1  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Wilne Edwards, Jean Baptiste  
; APPLICANT: Bougueleret, Lydie  
; APPLICANT: Jobert, Severin  
; TITLE OF INVENTION: FULL-LENGTH HUMAN cDNAs ENCODING POTENTIALLY SECRETED PROTEINS  
; FILE REFERENCE: 78.USA.CIP  
; CURRENT APPLICATION NUMBER: US/09/876.997  
; CURRENT FILING DATE: 2001-06-08  
; PRIOR APPLICATION NUMBER: US 09/731,872  
; PRIOR FILING DATE: 2000-12-07  
; PRIOR APPLICATION NUMBER: US 60/187,470  
; PRIOR FILING DATE: 2000-03-06  
; PRIOR APPLICATION NUMBER: US 60/169,629  
; PRIOR FILING DATE: 1999-12-08  
; NUMBER OF SEQ ID NOS: 482  
; SOFTWARE: Patent.pm  
; SEQ ID NO 225  
; LENGTH: 1739  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 171..1670  
US-09-876-997-225

Query Match 3.2%; Score 122; DB 10; Length 1739;

Best Local Similarity 51.9%; Pred.No.1.9e-22;  
Matches 300; Conservative 0; Mismatches 275; Indels 3; Gaps 1;  
QY 1419 CAAGTACACAGGCCCCCTGGAGTACACCATCTGGAGTCCCTGTTCCAGGACATCCACCC 1478  
DB 1070 CCAGTACAAAGTCCATCCAGTACATGTTATGGAGGAATGCAGGACACTCTGCCC 1129  
QY 1479 AGTCCAGCCGCTTACCTTGACCCGGGCACAGCCAGCCAGCGGCTGATCTGTGGA 1538  
DB 1130 AGGCTGTCTCCACTACTCTGGACCCCTAAACACAGCTCACCCAAATCTGGTCTCTCAA 1189  
QY 1539 CGACTGCACCATTTGTGGCTTACGGCAACTTGCACCCACAGCCACTGCAGGACTCGCCAA 1598  
DB 1190 AAGCCAAACAGCGTCTGGCATGGTGACATTAAGA--AGATAATGCTGATGATCTGA 1246  
QY 1599 GCGCTTCGATGGAGGTGCGGTGCTGGTTCTGAAGCCTTCAGTAGTGGGTCCACTA 1658  
DB 1247 GAGGTTTGACTCAAGTGTGCTGTACTGGCTCAAGAGGCTTCACTCTGGAAGTGGTA 1306  
QY 1659 CTGGAGGTGGTGGTGGGAGAGACCCAGTGGGTGATCGGGCTGGCACACGAAAGCCGC 1718  
DB 1307 CTGGAGGTAGATAGTACAAAGAGACAAATGACAGTGGAGTTGTCAAGAGATCCAT 1366  
QY 1719 AAGCCGAAGGCGAGATCCAGATCCAGCCAGCGGCTTCTACTGATCGTATGCA 1778  
DB 1367 CAITCGGAAGGGCAGCTGTCTCTAACTCTGAGCAAGGATTTGGCTTTTAAGACTAAG 1426  
QY 1779 CGATGGCAACAGTACAGCGCTCGACGAGCCCTGGAAGCGGCTTAAAGTCCGGGACAA 1838  
DB 1427 GAACCAACTGATCTAAAGCTCTGGATTGGCTTTCTTCAGTCTGACACTGACTAACAA 1486  
QY 1839 GCTTGACAAGTGGGTGCTCTCTGGACTATGACCAAGGCTTCTCATCTTCTACATGC 1898

DB 1487 CTTGACAAGTGGGCATATACCTGGATTATGAAGAGAGAGTGTCTCTTCTACATGC 1546  
QY 1899 TGATGACATGCTCTGGCTCTACACCTTCGCGAGAGAGTTCCTCGGAAGCTCTGTCTTTA 1958  
DB 1547 TAAACCATGACTCAGCTTTACACCTTCAGTAACACCTTTCATGGAGAACTTTATCCCTA 1606  
QY 1959 CTTTCAGCCCTGGCCAGAGCCAGCAATGGCAAGACG 1996  
DB 1607 CTTTCGCCCTGCCTTAATGATGTTAGAGAGATTAAG 1644

Search completed: April 13, 2004, 15:53:20  
Job time : 1274 secs